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Distributing Your Power











Circuit Protection & Power Distribution Catalogue 6th Edition



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Distributing Your Power

Prolec's range of genuine OEM approved circuit protection and power distribution products have been designed and tested to meet the demands of today and requirements of tomorrow. Whether that be on the highway, off road, in the field, on the battlefield, underground or on the water, Prolec has a suitable product solution for your application.

We are proud to represent some of the world's leading circuit protection and power distribution manufacturers whose products meet global industry standards and are manufactured in quality accredited facilities from materials are sourced from ethical suppliers whom have corporate governance, environmental and social policies. Prolec continues to invest in our people and inventory to ensure we offer the very best products and customer service.













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RINCONPOWER
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TERRA
POWER SYSTEMS

MORSETTITALIA

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SONG CHUAN
Switch to A Better Life

Prolec proudly represents the worlds leading international brands of genuine, quality power distribution products used by major manufacturers around the world. These brands design, test and manufacture products under strict quality guideline which are then approved to recognised international standards. The majority of products are manufactured using environmentally compliant materials which meet RoHS and Reach standards.

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APMEC

THE AUSTRALIAN 4WD INDUSTRY JOURNEL
AN INITIATIVE OF THE AAAA

Prolec is a member of these reputable industry organisations who are an important voice for the industry. These organisations promote the very best in business practise and encourage members to continually improve their product quality, innovation, technology and education to ensure the industry not only meets but exceeds the ever changing market needs.

RECENT AWARDS



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AUSTRALIAN SMALL BUSINESS CHAMPION AWARDS 2025 WINNER

Award for Australian Small Business Champion 2025

FAST FIND PRODUCT INDEX

A	Page
Add-A-Circuit Holders	83
ANL Fuses	27
Auto Blade Breakers	49-51
Auto Blade Fuses	16-17

B	
Battery Fuse Bars & Holders	106-109
Battery Fuses	28-29
Battery Switch Terminals	176
Battery Terminal Fuses	30
Battery Terminals	161-162
Bus Bars	159-160

C	
CablePro Fuses	Contact sales
Cartridge Fuses	10-12
Circuit Breaker Panels	173
Circuit Breakers	46-66
Class T Fuses	31
Counter Stands	195

D	
DIN Rail Mount Fuse Blocks	148-149
DIN Rail Terminal Blocks	147
Diode - Mini Type	14

E	
Electric Vehicle Fuses	31-34

F	
Fuse Bar	106-109
Fuse Blocks	86-104
Fuse Clips	68
Fuse Holders - Inline	69-82
Fuse Kits	35-43
Fuse Panels	87, 90-92
Fuse Pullers & Testers	44
Fuse-Caddy's	43
Fused Battery Distribution Unit	111-112, 118
Fused Distribution Module	104-109
Fused Power Module	110-146
Fuses	10-34
Fusible Links PAL	20-22

H	
High Amp Breaker	60-66
High Voltage DC Power Fuses	32-34

J	
Junction Blocks - Stud Type	151-158, 160
Junction Blocks - Terminal Type	150,159

L	
Lift Truck Fuses	27
Low Profile Mini Blade Fuses	14

M	Page
Marine Rated Battery Fuses MRBF	28
Marine Rated Breaker	66
Maxi Blade Breaker	51
Maxi Blade Fuses	18-19
Mega Fuse Power Dist. Module	113-115
Mega Fuses	25
Micro2 Blade Fuses	13
Micro3 Blade Fuses	13
Mid Range Breaker	63
Midi Fuses	24
Mini Blade Breaker	48
Mini Blade Fuses	15-16
Mini Type Devices	14
Modular Fuse & Relay Block	138-141
Modular Fuse Base	90
Multi-Pole Fusible Links	23, 30

P	
Panel Mount Breaker	54-59, 62-66
Panel Mount Fuse Holder	69
PCB Mount Fuse Holder	68
Power Distribution Module (PDM)	106-146
Power Distribution Unit (PDU)	106-146
Power Fuse & Power Relay Modules	136
Powerval Calibre Fuses	26

R	
Relay Holders	170-172
Relays - Flasher	165
Relays - ISO	165-168
Relays - ISO280	164-165
Resistor - Mini Type	14
Rocker Switch Breaker	55
Rocker Switches	174

S	
Screw Type Terminal Blocks	150, 159
Short Stop Breaker	52-53
Strip Fuses	23
Stud Type Junction Blocks	151-160
Switch Panels	173-175
Switches - Rocker	174

T	
Terminal Blocks	147-149
Tools - Crimping	184-186
Tools - Terminal Extraction	186
Torpedo Fuses	12
Transorb - Mini Type	14

W	
Wiring Blocks	147-160

Part number index see pages 196-198

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TABLE OF CONTENTS

INTRODUCTION

The Company Profile, Brand Line Card
Product Fast Find Index, Table Of Contents
Community Sponsorship.

2 INTRODUCTION

FUSES, FUSE KITS & FUSE PULLERS

Cartridge Fuses, Multi-meter Fuses, Blade Fuses, Mini Type Devices, Fusible Links, Midi, Mega, ANL Fuses, Battery Fuses, Multi-Pole Fuses, Power Fuses, Electric Vehicle Fuses, EVSE Fuses, Fuse Kits, Fuse Caddy's, Fuse Pullers & Fuse Testers.

7 FUSES & FUSE KITS

CIRCUIT BREAKERS & ACCESSORIES

Bladed Breakers, Short Stop Breakers, Push Button Panel Mount Breakers, Rocker Switch Breakers, Battery Disconnect Switch Circuit Breakers, Mid Range, Hi-Amp Breakers & Marine Rated Circuit Breakers.

45 CIRCUIT BREAKERS

FUSE HOLDERS, FUSE BLOCKS & FUSE PANELS

PCB Mount Clips, PCB Mount Blocks, Panel Mount Holders, Inline Holders. Add-a-Circuit's, Fuse Taps, Ground Tap, Fuse Blocks, Fuse Panels, Fuse Blocks, Sealed Fuse Blocks, EV & EVSE Modular Fuse Blocks.

67 FUSE HOLDERS

POWER DISTRIBUTION UNITS, BLOCKS & STUDS

Battery Fuse Bars, Battery Fuse Blocks, Fused Distribution Blocks, Fused Distribution Units, Fuse & Relay Sealed PDM's, Fuse & Relay Kits, Fuse & Relay Modules, Terminal & Junction Blocks, Feeder Studs & Busbars.

105 POWER DISTRIBUTION

RELAYS, SWITCHES, PANELS & TOOLS

280 Relays, 280 Flasher Relays, ISO Relays, Weatherproof Relays, Fused Relays, High Power Relays, Relay Connectors, Rocker Switches, Switch Breaker Panels, Battery Disconnect Switches, Master Switches & Tools

163 RELAYS & SWITCHES

TECHNICAL INFORMATION

Fuse & Circuit Breaker Information, Wire Gauge Selection, Ingress Protection Ratings, Imperial vs. Metric Bolt Sizes, Ignition Protection, Packaging Options, Part Number Index, Symbols & Markings, Battery Information.

189 INFORMATION & PART INDEX

COMMUNITY SPONSORSHIP - MONASH MOTORSPORT



Combustion



Driverless



Electric

THE COMPETITION

Formula SAE is the world's largest student engineering design competition. Students from Universities all around the world design, manufacture, test and compete with formula style racecars.

COMPETITION STRUCTURE

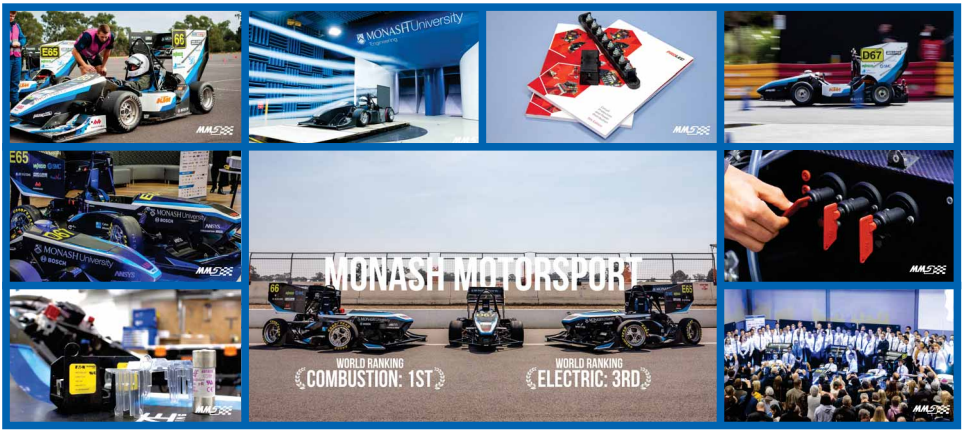
Formula Student is divided into distinct classes; Combustion, Driverless and Electric. At competitions each car competes separately and is judged in two types of events, Dynamic and Static.
Static events allow the team to demonstrate their knowledge behind the development of the cars and test industry skills such as entrepreneurialism, financial acumen and the holistic engineering design process behind the cars.
Dynamic events are the culmination of the design process, testing the performance of the cars in a variety of scenarios. These events require more than just the quickest car; they are a test of reliability, efficiency and driver skill.

MONASH MOTORSPORT

Last year, the team from Monash Motorsport (MMS) entered 2 cars in the competition; a petrol car and electric car. This year, the team entered 3 cars; a petrol car and two electric cars, one of which is autonomous. For the latest news from Monash Motorsport, visit their Facebook page: www.facebook.com/monashmotorsport

Formula SAE-A Team 2019 MMS Results:
1st Place - Electric Vehicle
1st Place - Internal Combustion Vehicle

Formula Student Sydney 2020 MMS Results:
1st Place - Combined Overall Result
1st Place - Endurance Combustion
2nd Place - Acceleration Combustion
1st Place - Autocross Combustion
2nd Place - Skidpad Combustion
3rd Place - Technical Presentation
1st Place - Sponsorship Presentation



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Fuses, Fuse Kits & Fuse Pullers

The original and still the best.



Chapter Information	Page
Fuse Selection Guide	8
Fuse Selection Chart	9

Fuses	Page
SFE Glass Cartridge Fuses 32V	10
6.35 x 15.9mm (1AG - AGA) 32V	10
6.35 x 22.2mm (7AG- AGW) 32V	10
6.35 x 25.4mm (8AG- AGX) 32V	10
6.35 x 31.8mm (3AG- AGC) 32V	10
6.35 x 31.8mm (3AG & 3AB) 250V-32V	11
10.3 x 38.1mm (5AG - AGU) 32V	12
Multi-Meter Cartridge Fuses	12
5 x 25mm Torpedo Fuses (6AC - GBC) 32V	12
Micro2 & Micro3 Blade Fuses 32V	13
Low Profile Mini Fuse 58V	14
Mini Fuse & Indicating Mini Fuse 32V	15
Mini Fuse 58V	16
Auto Fuse 80V	16
Auto Fuse & Indicating Auto Fuse 32V	17
Maxi Fuse & Indicating Maxi Fuse 32V	18
Maxi Fuse 58V & Maxi+ Compact Fuse 32V	19
Mcase, Mcase+ Slotted, Low Profile Jcase	20
Jcase & Auto Fuse Links PAL 32V - 58V	21-22
Multi-Pole Fuse Links 32V - 58V	23
Strip Fuses Without Housings 32V & 36V	23
Midi Fuse 32V & 58V	24
Mega Fuse 32V & 70V	25
Powerval Calibre Fuse 32V	26
Fuse Strip With Housing (FBT) 48V - 80V	26
Lift Truck Fuses (ANL, ANN) 80V	27
Battery Fuse Marine Rated (MRBF) 58V	28
Battery Fuse (ZCASE) 32V	29
Multi-Pole Battery Terminal Fuse 32V	30
Electric Vehicle Fuse Introduction	30
Class T Fuses (JJN) 160V - 170V	31
Electric Vehicle Fuses 500V - 1000V	32 - 34

Special Products	Page
Mini Blade Resistor, Diode, Transorb	14
Mini Shunt	14
Mcase+ Slotted Shunt	20
Jcase Shunt	21
Zcase Shunt	29
Fuse Pullers, Fuse Puller Testers	44

Fuse Assortment Packs and Trade Kits	Page
Emergency Fuse Assortment Packs	35
Fuse Assortment Packs	36
Fuse Assortment Kits	37 - 40
Multi Fuse Assortment Kits	41 - 42
Fuse Assortment Caddy 5 & 10 Tray	43

FUSE SELECTION GUIDE

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Fuse Type	Characteristic	Amperage Range	I.R. @ Voltage	Ignition Protected	Ingress Rating	Page
SFE	Fast & Slow	50mA to 30A	TBA, 32VDC	-	-	10
AGC	Fast	1A to 35A	TBA, 32VDC	-	-	10
1AG & 7AG	Fast	500mA to 30A	TBA, 32VDC	-	-	10
3AG , 3AB	Fast & Slow	200mA to 35A	Varies	-	-	11
AGU / 5AG	Fast	10A to 60A	TBA, 32VDC	-	-	12
GBC	Fast	5A to 25A	TBA, 32VDC	-	-	12
Multimeter Fuses	Fast	1A to 15A	Varies	-	-	12
Micro2 - 32V	Fast	3A to 30A	1kA at 32VDC	-	-	13
Micro3 - 32V	Fast	3A to 15A	1kA at 32VDC	-	-	13
Low Pro. Minifuse	Fast	2A to 30A	1kA at 58VDC	-	-	14
Minifuse - 32V	Fast	2A to 30A	1kA at 32VDC	-	-	15
Minifuse - 58V	Fast	3A to 30A	1kA at 58VDC	-	-	16
Minifuse - 125V	Fast	3A to 15A	1kA at 125VDC	-	-	^
Autofuse - 32V	Fast	1A to 40A	1kA at 32VDC	-	-	17
Autofuse - 58V	Fast	0.5A to 40A	1kA at 58VDC	Ign.Pro*	-	^
Autofuse - 80V	Fast	1A to 40A	1kA at 80VDC	Ign.Pro*	-	16
Maxifuse - 32V	Slow	20A to 100A	1kA at 32VDC	-	-	18
Maxifuse - 58V	Slow	20A to 100A	1kA at 58VDC	-	-	19
Maxifuse - 80V	Slow	20A to 100A	1kA at 80VDC	-	-	^
MaxiCompact 32V	Slow	20A to 60A	1kA at 32VDC	-	-	19
M8 Compact - 32V	Slow	30A to 80A	1kA at 32VDC	-	-	^
MCase - 32V	Slow	15A to 40A	1kA at 32VDC	-	-	20
Mcase+ Slot - 32V	Slow	15A to 60A	1kA at 32VDC	-	-	20
Low P. JCase - 58V	Slow	20A to 60A	1kA at 58VDC	-	-	20
Jcase - 32V	Slow	20A to 80A	1kA at 32VDC	-	-	21
Fusible Links - 32V	Slow	20A to 140A	1kA at 32VDC	-	-	21-22
Midifuse - 32V	Slow	23A to 200A	1kA at 32VDC	-	-	24
Midifuse - 58V	Slow	20A to 200A	1kA at 58VDC	-	-	24
Strip Fuse Lug	Fast	30A to 150A	TBA at 36VDC	-	-	23
Strip Fuse Ring	Fast	30A to 175A	TBA at 32VDC	-	-	23
Megafuse - 32V	Slow	40A to 500A	2kA at 32VDC	-	-	25
Megafuse - 70V	Slow	10A to 500A	2.5kA at 70VDC	-	-	25
Powerval - 32V	Slow	150A to 180A	2kA at 32VDC	-	-	26
MRBF - 58V	Slow	30A to 300A	2kA at 58VDC	Ign.Pro	IP66	28
Zcase - 32V	Slow	40A to 600A	2kA at 32VDC	-	-	29
Multi-Pole Fuse	Slow	20A to 50A	1kA at 32VDC-58VDC	-	-	23
Battery Term Fuse	Slow	80A to 140A	1kA at 32VDC	-	-	30
FBT	Fast	30A to 800A	2.5kA at 48VDC-80VDC	-	-	26
ANL	Fast	35A to 750A	6kA - 2.7kA at 32VDC	Ign.Pro*	-	27
ANN	Very Fast	10A to 800A	2.7kA at 80VDC	-	-	27
JJN Class T	Very Fast	70A to 1200A	20kA at 160VDC	-	-	31
AE2	Very Fast	10A to 50A	20kA at 500VDC	-	-	31
AE5	Very Fast	50A to 800A	30kA at 500VDC	-	-	32
AE3	Very Fast	5A to 50A	20kA at 850VDC	-	-	33
AE7	Very Fast	60A to 600A	20kA at 800VDC	-	-	33
AE6 & AEX	Very Fast	5A to 600A	20-50kA at 1000VDC	-	-	34
ATX	Very Fast	100A to 600A	50kA at 1000VDC	-	-	^
EFZ	Very Fast	100A to 300A	30kA at 1500VDC	-	-	^

Symbol References: * Contact sales for verification. ^ Contact sales for product information.

ABYC Definition of Ignition Protection (Ign.Pro) E11.4.15.

The design and construction of a device such that under design operating conditions:
(a) It will not ignite a flammable hydrocarbon mixture surrounding the device when an ignition source causes an internal explosion, or (b) It is incapable of releasing sufficient electrical or thermal energy to ignite a hydrocarbon mixture, or (c) The source of ignition is hermetically sealed.

What does this mean? Ignition Protected devices are designed to prevent the release of electrical or thermal energy (ie. sparks or heat) which could start a fire when operating in environments containing a mixture of air with gasoline, propane or CNG vapour. So when replacing or installing electrical equipment in these environments, make sure the product is specifically designated "Ignition Protected". As you can see in the above table, there are very few fuses that will meet this requirement, however we have a large range of circuit breakers that are Ignition Protected.

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FUSE SELECTION CHART

With an ever growing product range sometimes it can be hard to describe which fuse you need. So the following visual identification chart can help you identify some of the more common styles available. For a more comprehensive range please refer to the website www.prolecproducts.com which showcases over 300 different product images.

1 **Ferrule Cartridge**
Glass & Ceramic Case
(Pages 10-12)



2 **6AC Cartridge**
Torpedo Type
(Page 12)



3 **Micro2 & Micro3 Fuses**
(Page 13)



4 **Low Profile Mini & Minifuse**
(Pages 14-16)



5 **Autofuse & Maxifuses**
(Pages 16-19)



6 **Fusible Links**
Female Terminal
(Pages 20-21)



7 **Fusible Links**
Male Terminal
(Page 22)



8 **Multi-Pole**
Fusible Link
(Page 23)



9 **Fuse Strips**
Element Only
(Page 23)



10 **Midi Fuses**
Bolted Tag
(Page 24)



11 **Megafuses**
Bolted Tag
(Pages 25)



12 **Powerval Calibre**
Bolted Tag
(Pages 26)



13 **Battery Fuse Strip**
Slotted Tag M10
(Page 26)



14 **Lift Truck Fuse**
Slotted Tag M8
(Page 27)



15 **Battery Fuses**
Bar Mount
(Pages 28-29)



16 **Battery Terminal Fuse**
(Page 30)



17 **High Power Fuse**
Centre Bolted
(Page 31)



18 **EV Fuses**
Cartridge
(Page 32-34)



19 **EV Fuses**
Offset Bolted
(Page 32-34)



20 **EV Fuses**
Centre Bolted
(Page 32-34)



21 **Fuse Packs & Assortment Kits**
(Page 35-43)



22 **Fuse Pullers & Testers**
(Page 44)



SFE GLASS CARTRIDGE FUSES 32V

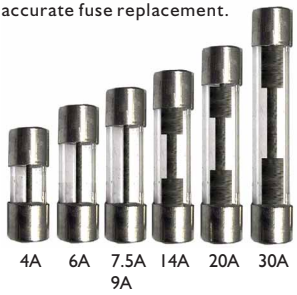
Littelfuse

SFE fast acting automotive glass cartridge fuses are similar to the "AG" style fuses in that they have the same diameter however the length varies according to ampere rating to ensure accurate fuse replacement.

Part Number	Ampere Rating	Imperial Length x Width	Metric Length x Width
SFE004	4A	5/8" x 1/4"	15.90 x 6.35mm
SFE006	6A	3/4" x 1/4"	19.05 x 6.35mm
SFE07.5	7.5A	7/8" x 1/4"	22.24 x 6.35mm
SFE009	9A	7/8" x 1/4"	22.24 x 6.35mm
SFE014	14A	1-1/16" x 1/4"	26.99 x 6.35mm
SFE020	20A	1-1/4" x 1/4"	31.75 x 6.35mm
SFE030	30A	1-7/16" x 1/4"	36.51 x 6.35mm
SFE000AP	Assortment Pack 10pcs 4A, 6A, 7.5A, 9A, 2x 14A, 2x 20A, 2x 30A NEW		



Assortment Pack



Voltage: 32VAC /32VDC (Factory certified)
Pack Size: 5, 10, 100, 500, 1000

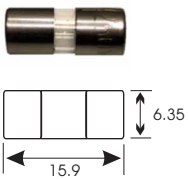
1AG (AGA) / 7AG (AGW) GLASS FUSES 32V

Littelfuse

Part Number	Part Number	Ampere Rating
1AG.500	7AG.500	500mA
1AG001	7AG001	1A
1AG002	7AG002	2A
1AG02.5	7AG02.5	2.5A
1AG003	7AG003	3A
1AG005	7AG005	5A
1AG07.5	7AG07.5	7.5A
1AG010	7AG010	10A
1AG015	7AG015	15A
1AG020	7AG020	20A
1AG025	7AG025	25A
1AG030	7AG030	30A

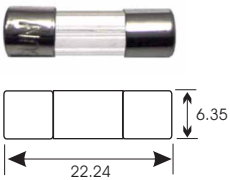
Voltage: 32VAC / 32VDC (Factory certified)
Characteristic: Fast Acting
Pack Size: 5, 50, 100

1AG / AGA



Dimensions in MM
Imperial (5/8" x 1/4")

7AG / AGW



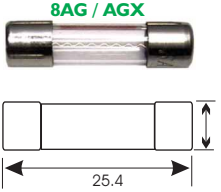
Dimensions in MM
Imperial (7/8" x 1/4")

8AG (AGX) / 3AG (AGC) GLASS FUSES 32V

Littelfuse

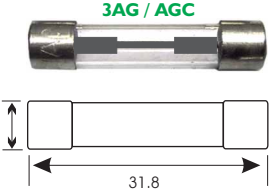
Part Number	Part Number	Ampere Rating
8AG001	AGC001R	1A
8AG002	AGC002R	2A
8AG003	AGC003R	3A
8AG004	AGC004R	4A
8AG005	AGC005R	5A
8AG006	AGC006R	6A
–	AGC07.5R	7.5A
8AG008	AGC008R	8A
8AG010	AGC010R	10A
8AG015	AGC015R	15A
8AG020	AGC020R	20A
8AG025	AGC025R	25A
8AG030	AGC030R	30A
8AG035	AGC035R	35A
-	AGC000AP	Assortment Pack 5pcs 3A, 5A, 10A, 15A, 20A

8AG / AGX



Dimensions in MM
Imperial (1" x 1/4")

3AG / AGC



Dimensions in MM
Imperial (1-1/4" x 1/4")

Voltage: 32VAC / 32VDC (Factory certified)
Characteristic: Fast Acting
Pack Size: 5, 10, 50, 100
Notes : Complete range of 3AG fuses see page 11.
Approvals: (Optional)

RELATED PRODUCTS:



Assortment Pack



Fuse Puller (see p.44)



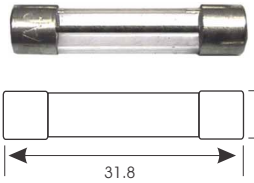
Fuse Kits (see p.38)



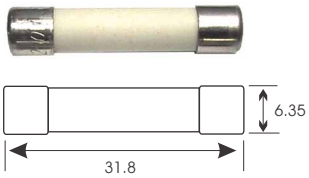
Fuse Holders (see p.69 - 71)

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3AG GLASS / 3AB CERAMIC CARTRIDGE FUSES



Dimensions in MM
(1-1/4" x 1/4")



3AG LBC FUSE GLASS BODY

Fast Acting (F) Part Number	Slow Acting (T) Part Number	Ampere Rating
3AGFB.200	3AGDA.200	200mA
3AGFB.250	3AGDA.250	250mA
3AGFB.300	3AGDA.300	300mA
3AGFB.375	3AGDA.375	375mA
3AGFB.500	3AGDA.500	500mA
3AGFB.600	3AGDA.600	600mA
3AGFB.750	3AGDA.750	750mA
3AGFB001	3AGDA001	1A
3AGFB01.5	3AGDA01.5	1.5A
3AGFB002	3AGDA002	2A
3AGFB02.5	3AGDA02.5	2.5A
3AGFB003	3AGDA003	3A
3AGFB004	3AGDA004	4A
3AGFB005	3AGDA005	5A
3AGFB006	3AGDA006	6A
--	3AGDA6.25	6.25A
3AGFB007	3AGDA007	7A
3AGFB008	3AGDA008	8A
3AGFB010	3AGDA010	10A
3AGFB012	3AGDA012	12A
3AGFB015	3AGDA015	15A
3AGFB020	3AGDA020	20A
3AGFB025	3AGDA025	25A
3AGFB030	3AGDA030	30A
–	--	35A

Glass Body Voltage Ratings
(Fast): 250VAC (200mA to 10A)
32VAC (12A to 35A)
(Slow): 250VAC (200mA to 8A)
32VAC (9A to 30A)

I.R.: Contact sales for further information.
Pack Size (bag): 5, 10, 100, 1000
Holders: Clips, Panel Mount, Inline & Blocks
Notes: More ratings available, please contact sales.
*Approvals may vary on the above.
***Approvals Available:** RoHS

3AB HRC FUSE CERAMIC BODY

Fast Acting (F) Part Number	Slow Acting (T) Part Number	Ampere Rating
–	3ABDA.200	200mA
3AB.250	3ABDA.250	250mA
-	3ABDA.300	300mA
3AB.375	3ABDA.375	375mA
3AB.500	3ABDA.500	500mA
--	3ABDA.600	600mA
3AB.750	3ABDA.750	750mA
3AB001	3ABDA001	1A
–	3ABDA01.5	1.5A
3AB002	3ABDA002	2A
–	3ABDA02.5	2.5A
3AB003	3ABDA003	3A
3AB004	3ABDA004	4A
3AB005	3ABDA005	5A
3AB006	3ABDA006	6A
--	3ABDA6.25	6.25A
3AB007	3ABDA007	7A
3AB008	3ABDA008	8A
3AB010	3ABDA010	10A
3AB012	3ABDA012	12A
3AB015	3ABDA015	15A
3AB020	3ABDA020	20A
3AB025	3ABDA025	25A
3AB030	3ABDA030	30A
--	–	35A

Ceramic Body Voltage Ratings
(Fast): 250VAC (250mA to 30A)

(Slow): 250VAC (200mA to 30A)

I.R.: Contact sales for further information.
Pack Size (bag): 5, 10, 100, 1000
Holders: Clips, Panel Mount, Inline & Blocks
Notes: More ratings available, please contact sales.
*Approvals may vary on the above.
***Approvals Available:** RoHS

RELATED PRODUCTS:



Cartridge Fuse Pullers
(see p.44)



Panel Mount Fuse Holders
(see p.69)



Inline Fuse Holders
(see p.69 - 71)



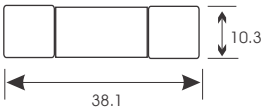
Fused Terminal Blocks
(see p.149)

5AG (AGU) GLASS CARTRIDGE FUSES 32V

Littelfuse

Part Number	Ampere Rating
AGU010	10A
AGU015	15A
AGU020	20A
AGU025	25A
AGU030	30A
AGU035	35A
AGU040	40A
AGU050	50A
AGU060	60A





Dimensions in MM
(1-1/2" x 13/32")

Voltage: 32VAC / 32VDC
Pack Size: 5, 10, 25, 50, 100
Features: Glass case allows for visual element inspection.
Holders: Clips, Panel Mount, Blocks, Inline & Fuse Carriers.
Notes: Widely used to protect automotive and marine audio systems.

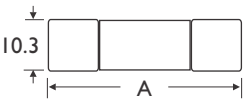
MULTIMETER CARTRIDGE FUSES

adler

Engineered and tested to provide the best protection and high breaking capacity in DMI (Digital Multimeter and Instrument) applications.

Part Number	Ampere Rating	Voltage AC	Voltage DC	"A" (mm)
DMM.440	440mA	1000V	1000V	34.9
APE2150600	15A	600V	600V	38.1
APE2200600	20A	600V	600V	38.1
MMF.500	500MA	1000V	1000V	38.1
MMF001	1A	1000V	1000V	38.1
MMF002	2A	1000V	1000V	38.1
MMF004	4A	1000V	1000V	38.1
MMF006	6A	1000V	1000V	38.1
MMF008	8A	1000V	1000V	38.1
MMF010	10A	1000V	1000V	38.1
MMF011	11A	1000V	1000V	38.1
MMF012	12A	1000V	1000V	38.1
MMF015	15A	1000V	1000V	38.1





Characteristic: Fast acting
Pack Size (box): 1, 10, 100

6AC (GBC) EUROPEAN TORPEDO FUSE 32V

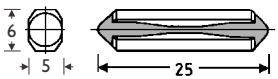
MTA

Part Number	Ampere Rating	Body Colour
GBC005	5A	Yellow
GBC008	8A	White
GBC016	16A	Red
GBC025	25A	Blue
GBC000AP	Assortment Pack 5pcs 5A, 2 x 8A, 16A, 25A	



Assortment Pack





Dimensions in MM

Voltage: 32VAC / 32VDC
Characteristic: Fast Acting
Body: Thermoplastic, colour coded.
Pack Size: 5, 10, 100
Holders: Inline fuse holders, contact sales.
Approvals: DIN 72581
Notes: Continental torpedo shaped fuse that was used in many older European cars.

PROLEC
Email: info@prolecproducts.com.au
Web: www.prolecproducts.com.au

MICRO2 FUSE SINGLE ELEMENT 32V

Littelfuse

SILVER PLATED

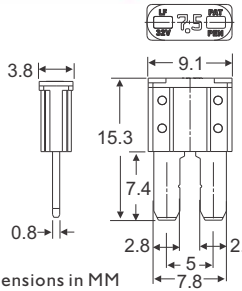
Features:
- Improved opening characteristics.
- Reduced footprint.

Part Number	Ampere Ratings	Body Colour	
MICR2003	3A	Violet	NEW
MICR2005	5A	Tan	
MICR207.5	7.5A	Brown	
MICR2010	10A	Red	
MICR2015	15A	Blue	
MICR2020	20A	Yellow	
MICR2025	25A	Natural	
MICR2030	30A	Green	
MICR2000AP	Assortment Pack 7pcs 5A, 7.5A, 10A, 15A, 20A, 25A, 30A		



Assortment Pack





Dimensions in MM

Voltage: 32VDC **I.R.:** 1000A at 32VDC
Characteristic: Fast Acting
Terminals: Zinc alloy, silver plated.
Pack Size: 5, 10, 100, 500
Approvals: SAE 2741 and ISO 8820-4. RoHS

RELATED PRODUCTS:



Fuse Puller
(see p.44)



Assortment Pack 35
(see p.36)



Assortment Kit
(see p.37)



Inline Holder
(see p.72)



Add-a-circuit
(see p.83)



Fuse Block
(see p.86)

MICRO3 FUSE DUAL ELEMENT 32V

Littelfuse

SILVER PLATED

The Micro3 fuse has 3 terminals and 2 fuse elements with a common center terminal. Its sub-miniature design meets the need for more circuits to be protected while utilizing less space and its ability to cope with high temperatures in adverse environments.

Part Number	Ampere Ratings	Body Colour	
MICR3003	3A	Violet	NEW
MICR3005	5A	Tan	
MICR307.5	7.5A	Brown	
MICR3010	10A	Red	
MICR3015	15A	Blue	
MICR3000AP	Assortment Pack 4pcs 5A, 7.5A, 10A, 15A		

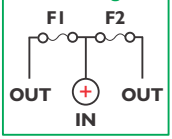


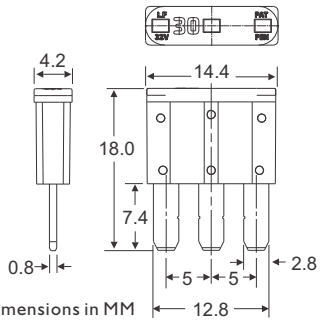
Assortment Pack



Voltage: 32VDC **I.R.:** 1000A at 32VDC
Characteristic: Fast Acting
Terminals: Zinc alloy, silver plated.
Pack Size: 5, 10, 100, 500
Approvals: RoHS

Circuit Diagram





Dimensions in MM

RELATED PRODUCTS:



Fuse Puller
(see p.44)



Assortment Kit
(see p.37)



Add-a-circuit
(see p.83)

LOW PROFILE MINI FUSE 58V

PEC

SILVER PLATED

The low profile Mini fuse features a lower overall height thereby reducing space requirements whilst still retaining similar performance characteristics to the standard Mini fuse.

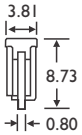
Part Number	Ampere Rating	Body Colour
LPM002	2A	Grey
LPM003	3A	Violet
LPM004	4A	Pink
LPM005	5A	Tan
LPM07.5	7.5A	Brown
LPM010	10A	Red
LPM015	15A	Blue
LPM020	20A	Yellow
LPM025	25A	Natural
LPM030	30A	Green
LPM000AP	Assortment Pack 5pcs 7.5A, 10A, 15A, 20, 30A	

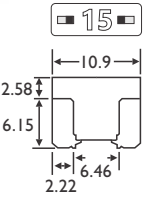


Assortment Pack









Dimensions in MM

Voltage: 58VDC **I.R.:** 1000A at 58VDC
Characteristic: Fast Acting
Pack Size: 5, 10, 100, 1000
Terminals: Zinc alloy, silver plated.
Holders: PCB Clips and bases please contact sales.
Approvals: SAE RoHS

RELATED PRODUCTS:



Fuse Puller
(see p.44)



Fuse Holder
(see p.72)



Fuse Kit
(see p.38)



Add-a-circuit
(see p.83)

MINI TYPE DEVICES

Diode / Resistor Shunt / Transorb

Littelfuse

Bussmann

Diode, Resistor, Shunt and Transorb electrical protection devices easily install in common Mini fuse holders. Provide voltage and current limiting functionality to vehicle circuitry.

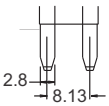
Part Number	Description	Profile	Brand	
0297900	Shunt - 20A Maximum continuous load rating.	Standard	Littelfuse	NEW
0240013P	Diode - 1A. Reverse current protector. Keyed. (400V PIV).	Standard	Littelfuse	
22903-6	Diode - 6A. Reverse current protector. Keyed.	Tall	Bussmann	
22903-6V	Diode - 6A. Reverse current protector. Keyed + Wing.	Tall	Bussmann	
22902-68	Resistor - 5W. Resistance: 68Ω. Voltage drop device.	Tall	Bussmann	
22901-1.5	Transorb - Clamp Rating: 27VDC. Power Rating: 1500W. Voltage spike protector.	Tall	Bussmann	

Scan this QR Code for more information

QR Code: 3001

Voltage: 12VDC or 24VDC
Materials: (0240013P) Thermoplastic housing, black.
(229xx series) Thermoplastic housing, grey with metal cover.
Termination Type: 2.8mm blades. Compatible with ISO 280 blocks.
Diode Key Feature: Standard key denotes installation direction.
Wing key available for error proof installation in Bussmann VEC.
Holders: Please refer to our holder compatibility table on our QR datasheet.
Pack Size: Stock lines 1pc. Indent items contact sales.

Terminals





ST

Shunt
0297900



Diode
0240013P



Diode
22903-6



Diode
22903-6V



Resistor
22902-68



TVS

Transorb
22901-1.5

PROLEC

Email: info@prolecproducts.com.au
Web: www.prolecproducts.com.au

MINI (ATM) FUSE 32V

PEC SILVER PLATED

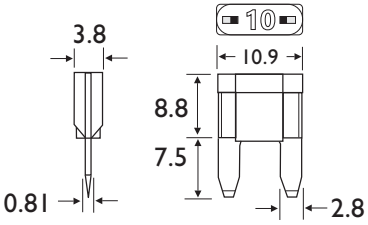
Part Number	Ampere Rating	Body Colour
MIN002	2A	Grey
MIN003	3A	Violet
MIN004	4A	Pink
MIN005	5A	Tan
MIN07.5	7.5A	Brown
MIN010	10A	Red
MIN015	15A	Blue
MIN020	20A	Yellow
MIN025	25A	Natural
MIN030	30A	Green
MIN000AP	Assortment Pack 5pcs 5A, 10A, 15A, 20, 30A	



Assortment Pack







Dimensions in MM

Voltage: 32VDC **I.R.:** 1000A at 32VDC
Characteristic: Fast Acting
Terminals: Zinc alloy, silver plated.
Options: 80VDC & 125VDC versions contact sales.
Pack Size: 5, 10, 100, 500, 1000, 3000
Holders: Clips, PCB Blocks, Inline, Add-a-Circuits, Blocks & Power Distribution Modules.
Approvals: ISO 8820 / SAE J2077 / UL 248 SAE RoHS

RELATED PRODUCTS:



Mini Devices (see p.14)



Assortment Pack (see p.36)



Assortment Kit (see p.38)



Inline Holders (see p.72 - 73)



Add-a-Circuit (see p.83)



Power Distribution (see p.119-134)

MINI (ATM) FUSE LED INDICATING

PROLEC

This fuse uses a patented bi-directional LED technology to indicate when a fuse has blown. It is a drop-in replacement for non-indicating Mini fuses.

Part Number	Ampere Rating	Body Colour
MIND003-32V	3A	Violet
MIND005-32V	5A	Tan
MIND07.5-32V	7.5A	Brown
MIND010-32V	10A	Red
MIND015-32V	15A	Blue
MIND020-32V	20A	Yellow
MIND025-32V	25A	Natural
MIND030-32V	30A	Green
MIND000AP	Assortment Pack 5pcs 10A, 15A, 20, 25A, 30A	



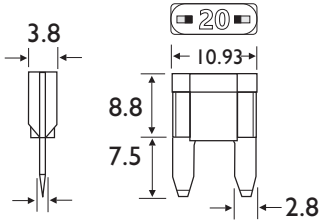
Assortment Pack



Normal state



Open fuse



Dimensions in MM

Voltage: 32VDC
Characteristic: Fast Acting
Pack Size: 2, 5, 10, 100, 500, 1000
Holders: Clips, PCB Blocks, Inline, Blocks & Power Dist.
Compliance: SAE SAE J2077, ISO 8820-3 HF RoHS

RELATED PRODUCTS:



Assortment Pack (see p.36)



Assortment Kit (see p.38)



Fuse Puller (see p.44)



Inline Holder (see p.73)



Power Dist. Modules (see p.119 - 134)

MINI FUSE 58V

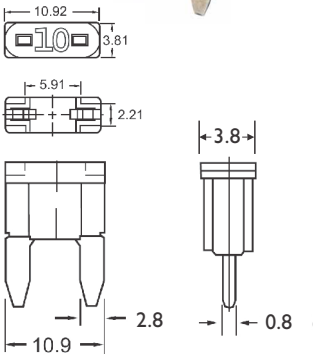
Littelfuse

Part Number	Ampere Rating	Body Colour
MIN002-58V	2A	Grey
MIN003-58V	3A	Violet
MIN004-58V	4A	Pink
MIN005-58V	5A	Tan
MIN07.5-58V	7.5A	Brown
MIN010-58V	10A	Red
MIN015-58V	15A	Blue
MIN020-58V	20A	Yellow
MIN025-58V	25A	Natural
MIN030-58V	30A	Green

NEW

SILVER PLATED





Dimensions in MM

Voltage: 58VDC
I.R.: 1000A at 58VDC
Characteristic: Fast Acting
Terminals: Zinc alloy, silver plated.
Pack Size: 5, 10, 100, 500, 1000, 3000
Holders: Fuse Clips, Fuse Blocks, Power Distribution Modules.
Options: 80VDC and 125VDC Ignition Protected contact sales.
Notes: *Please contact sales for specifications.
Approvals: UL 248-14 RoHS

RELATED PRODUCTS:



Fuse Puller
(see p.44)



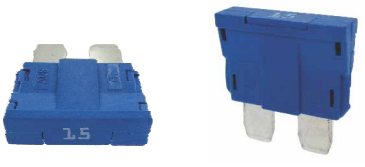
Power Dist. Modules
(see p119 - 146)

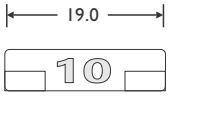
AUTO FUSE 80V

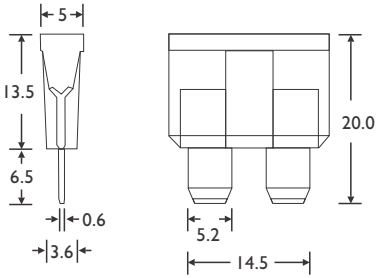
PROLEC

NEW

Part Number	Ampere Rating	Body Colour
ATF.500-80V	500mA	Dark Blue
ATF001-80V	1A	Black
ATF002-80V	2A	Grey
ATF003-80V	3A	Violet
ATF004-80V	4A	Pink
ATF005-80V	5A	Tan
ATF07.5-80V	7.5A	Brown
ATF010-80V	10A	Red
ATF015-80V	15A	Blue
ATF020-80V	20A	Yellow
ATF025-80V	25A	Natural
ATF030-80V	30A	Green
ATF035-80V	35A	Blue/Green
ATF040-80V	40A	Orange







Dimensions in MM

Voltage: 80VDC
I.R.: 1000A at 80VDC
Characteristic: Fast Acting
Terminals: Copper alloy, tin plated.
Pack Size: 10, 50, 100, 500, 1000
Holders: Fuse Clips, Fuse Blocks, Fused Terminal Blocks.
Product Options: 58VDC & 125VDC versions.
Slotted body design also available.
Notes: *Please contact sales for specifications.
Approvals: c US RoHS

RELATED PRODUCTS:



Fuse Puller
(see p.44)



Power Dist. Modules
(see p.93)

PROLEC

Email: info@prolecproducts.com.au
Web: www.prolecproducts.com.au

AUTO FUSE 32V

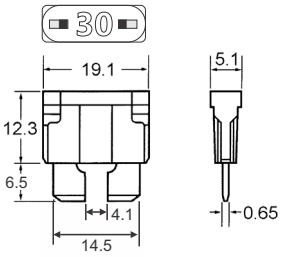
Littelfuse

Part Number	Ampere Rating	Body Colour
ATOF001	1A	Black
ATOF002	2A	Grey
ATOF003	3A	Violet
ATOF004	4A	Pink
ATOF005	5A	Tan
ATOF07.5	7.5A	Brown
ATOF010	10A	Red
ATOF015	15A	Blue
ATOF020	20A	Yellow
ATOF025	25A	Natural
ATOF030	30A	Green
ATOF035	35A	Blue/Green
ATOF040	40A	Orange
ATOF000AP	Assortment Pack 5pcs 5A,10A, 15A, 20A, 30A	



Assortment Pack





Dimensions in MM

Voltage: 32VDC **I.R.:** 1000A at 32VDC
Characteristic: Fast Acting **Terminals:** Zinc alloy, tin plated.
Options: ATOF Shunt # 0287900, White body, SPQ 2,000pcs.
Pack Size: 5, 10, 100, 500, 1000
Holders: PCB Mount Clips, Inline, Add-a-circuit, Fuse Panels, Fuse Blocks, Fused Terminal Blocks, Modular Blocks and PDM's.
Approvals: ISO 8820-3 RoHS

RELATED PRODUCTS:



Assortment Kit
(see p.39)



Fuse Puller
(see p.44)



Inline Holder
(see p.74 - 78)



Add-a-Circuit
(see p.83)



Fuse Blocks
(see p.87 - 93, 137)

AUTO FUSE LED INDICATING 32V

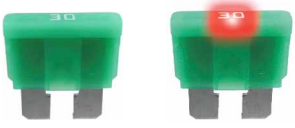
PROLEC

This fuse uses a patented bi-directional LED technology to indicate when a fuse has blown. It is a drop-in replacement for non-indicating Auto fuses.

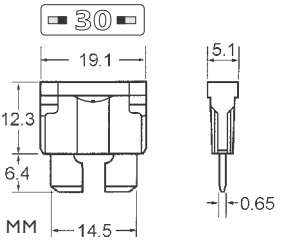
Part Number	Ampere Rating	Body Colour
ATFD003-32V	3A	Violet
ATFD005-32V	5A	Tan
ATFD07.5-32V	7.5A	Brown
ATFD010-32V	10A	Red
ATFD015-32V	15A	Blue
ATFD020-32V	20A	Yellow
ATFD025-32V	25A	Natural
ATFD030-32V	30A	Green
ATFD000AP	Assortment Pack 5pcs 10A, 15A, 20A, 25A, 30A	



Assortment Pack



Normal state | Open fuse



Dimensions in MM

Voltage: 32VDC
Characteristic: Fast Acting
Pack Size: 2, 5, 10, 100, 500, 1000
Holders: Clips, PCB Mount, Inline, Add-a-circuit, Panels, Fuse Blocks, Fused Terminal Blocks & Modular Blocks.
Compliance: *SAE* SAE J1284, ISO 8820-3 HF RoHS

RELATED PRODUCTS:



Assortment Pack
(see p.36)



Assortment Kit
(see p.39)



Inline Holders
(see p.74 - 79)



Various Blocks & Panels
(see p.87-93, 116-117, 138)

MAXI FUSE 32V

Littelfuse

SILVER PLATED

Part Number	Ampere Rating	Body Colour
MAX020	20A	Yellow
MAX025	25A	Grey
MAX030	30A	Green
MAX035	35A	Brown
MAX040	40A	Orange
MAX050	50A	Red
MAX060	60A	Blue
MAX070	70A	Tan
MAX080	80A	Natural
MAX100*	100A	Violet
MAX000AP	Assortment Pack 7pcs 20A, 30A, 40A, 50A, 60A, 70A, 80A	

NEW

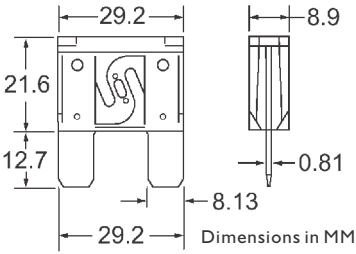


Assortment Pack









Dimensions in MM

Voltage: 32VDC **I.R.:** 1000A at 32VDC
Characteristic: Slow Acting
Terminals: Zinc alloy, silver plated.
Pack Size: 1, 7, 10, 100, 500, 1200
Holders: Fuse Clips, Inline, Power Distribution Modules.
Options: 58VDC & 80VDC versions contact sales.
Notes: *Terminals Zinc alloy, tin plated.
Approvals (20A to 80A): SAE J1888 / ISO 8820 RoHS

RELATED PRODUCTS:



Fuse Puller
(see p.44)



Fuse Kit
(see p.39)



Fuse Holder
(see p.80)



Inline Fuse Holders
(see p.79 - 80)



Power Distribution
(see p.112 & 138)

MAXI FUSE INDICATING 32V

PROLEC

This fuse uses a patented bi-directional LED technology to indicate when a fuse has blown. It is a drop-in replacement for non-indicating Maxi fuses.

Part Number	Ampere Rating	Body Colour
MAXD020	20A	Yellow
MAXD030	30A	Green
MAXD040	40A	Orange
MAXD050	50A	Red
MAXD060	60A	Blue
MAXD070	70A	Tan
MAXD080	80A	Natural
MAXD100	100A	Violet

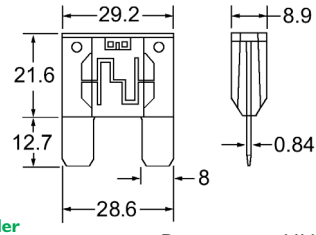


Normal state



Open fuse

Voltage: 32VDC
Characteristic: Slow Acting
Pack Size: 1, 10, 100, 500, 1000
Holders: Fuse Clips, Inline, Fuse Blocks & Power Dist.
Features: Maxi fuse with blown fault LED indicator.



Dimensions in MM

RELATED PRODUCTS:



Clear Cover Inline Fuse Holder
(see p.80)



Clear Cover Inline Fuse Holder
(see p.79 - 80)

PROLEC

Email: info@prolecproducts.com.au
Web: www.prolecproducts.com.au

MAXI FUSE 58V

adler®

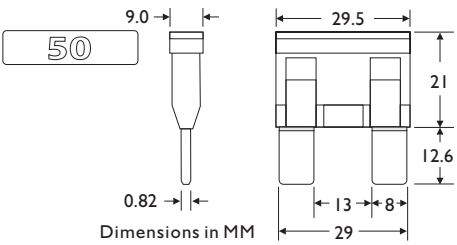
The BF6 58V Maxi blade fuses are specially designed for EV applications. Protects battery packs, traction inverters, energy storage, power conversion, battery disconnect units, charging, primary & auxiliary fuse.



NEW

Part Number	Ampere Rating	Body Colour
MAX030-58V	30A	Green
MAX040-58V	40A	Orange
MAX050-58V	50A	Red
MAX060-58V	60A	Blue
MAX080-58V	80A	Natural

Voltage: 58VDC **I.R.:** 1.5kA at 58VDC
Characteristic: Slow Acting
Temperature Range: -40˚C to +105˚C
Features: Element window.
Terminals: Zinc alloy.
Pack Size: 100, 500, 1000.
Complies With: ISO 8820-3 RoHS



Dimensions in MM

MAXICOMPACT FUSE 32V

Littelfuse®

The MaxiCompact fuse is new standard for vehicle circuit protection. Its miniature design meets the need for more circuits to be protected while utilizing less space, and its ability to cope with high temperatures in adverse environments makes the MaxiCompact fuse of recommended choice for protection.

NEW
SILVER PLATED

Part Number	Ampere Rating	Body Colour
MAXP020	20A	Yellow
MAXP025	25A	Grey
MAXP030	30A	Green
MAXP035	35A	Lt Green
MAXP040	40A	Orange
MAXP050	50A	Red
MAXP060	60A	Blue
MAXP000AP	Assortment Pack 5pcs 20A, 30A, 40A, 50A, 60A	

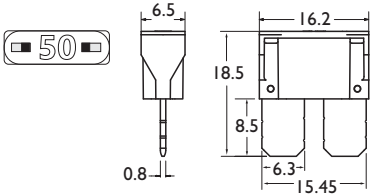
NEW



Assortment Pack



Voltage: 32VDC **I.R.:** 1000A at 32VDC
Characteristic: Slow Acting
Temperature Range: -40˚C to +125˚C
Terminals: Zinc alloy, silver plated.
Features: Maxi fuse opaque case to see fuse element.
Holders: Fuse Clips, Inline, PDM's contact sales for details.
Pack Size: 1, 10, 50, 100, 500, 1000
Approvals: ISO 8820-10: 2020



Dimensions in MM

RELATED PRODUCTS:



NEW

Fuse & Relay Module
(# 01695)



NEW

Inline Fuse Holder
0101881 Fuse Holder
00395 Mounting Plate



Holder Terminals F630E
08500BK (0.35 - 0.5mm²)
08501BK (0.75 - 1.5mm²)
08502BK (2.0 - 3.0mm²)
08503BK (4.0 - 6.0mm²)



PDM MEC25
(# 0301452)



Fuse Puller
(see p.44)

MCASE UNSLOTTED FUSE LINKS 32V

PEC

2.8mm Term. Part Number	Ampere Rating	Body Colour
MJC015	15A	Grey
MJC020	20A	Lt.Blue
MJC025	25A	White
MJC030	30A	Pink
MJC040	40A	Green
0695900.PXP	30A Shunt ST	Black
MJC000AP	Assortment Pack 5pcs 15A, 20A, 25A, 30A, 40A	

Voltage: 32VDC **I.R.:** 1000A at 32VDC
Fuse Characteristic: Slow Acting
Pack Size: 1, 10, 100, 2000
Approvals: RoHS

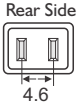


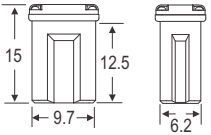
Assortment Pack











Dimensions in MM

NEW



Mcase Unslotted Adaptor Converts to Minifuse (# 875-584)

RELATED PRODUCTS:



Fuse Puller (see p.44)



Assortment Kit (see p.40)



Suits 2.8mm Male Terminals

MCASE SLOTTED FUSE LINKS 32V

Littelfuse

PEC

6.35mm Term. Part Number	Ampere Rating	Body Colour
MCPS015	15A	Grey
MCPS020	20A	Lt.Blue
MCPS025	25A	White
MCPS030	30A	Pink
MCPS040	40A	Green
MCPS050	50A	Red
MCPS060	60A	Yellow
0695900.PXPS	50A Shunt ST	Black
MCPS000AP	Assortment Pack 7pcs 15A, 20A, 25A, 30A, 40A, 50A, 60A	

Voltage: 32VDC **I.R.:** 1000A at 32VDC
Fuse Characteristic: Slow Acting
Pack Size: 1, 10, 100, 2000
Holders: MiniFLEC see p.144
Notes: The Mcase Slotted fuse can be mounted directly onto a comb busbar.
Approvals: RoHS



Assortment Pack

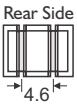


Mcase Slotted Shunt

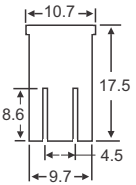


Mcase Slotted Fuse

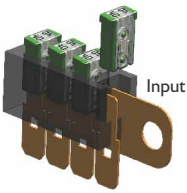








Dimensions in MM



Input Busbar

Outputs to Accessories



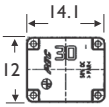
Suits 6.3mm Male Terminals

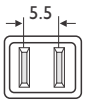
LOW PROFILE JCASE FUSE LINKS 58V

PEC

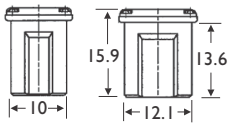
6.35mm Term. Part Number	Ampere Rating	Body Colour
LJC020	20A	Lt. Blue
LJC025	25A	White
LJC030	30A	Pink
LJC040	40A	Green
LJC050	50A	Red
LJC060	60A	Yellow

Voltage: 58VDC **I.R.:** 1000A at 58VDC
Characteristic: Slow Acting
Pack Size: 1, 10, 100
Holders: Inline, Panel Mount & Modules.
Approvals: RoHS









Dimensions in MM



Suits 6.3mm Male Terminals

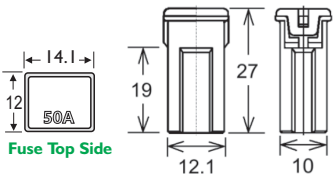
PROLEC
Email: info@prolecproducts.com.au
Web: www.prolecproducts.com.au

JCASE FUSE LINK 32V

PEC

6.35mm Term. Part Number	Ampere Rating	Body Colour	
JTF020	20A	Lt. Blue	
JTF025	25A	White	NEW
JTF030	30A	Pink	
JTF040	40A	Green	
JTF050	50A	Red	
JTF060	60A	Yellow	
JTF070	70A	Brown	NEW
JTF080	80A	Black	NEW
0495900	50A Shunt	Black	NEW

Voltage: 32VDC **I.R.:** 1000A at 32VDC
Fuse Characteristic: Slow Acting
Shunt: 50A Max Continuous Load Rating (ST)
Pack Size: 1, 10, 100, 500
Approvals: ISO 8820 / JASO D612 RoHS



Fuse Top Side


JCASE Fuse



Shunt Top Side



Rear Side


JCASE Shunt

RELATED PRODUCTS:


Assortment Kit (see p.40)


Inline Holders (see p.81)


Power Distribution (see p.110, 119 & 136)

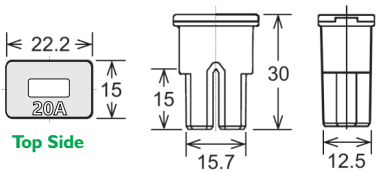

Fuse Module (see p.139)

LARGE FUSE LINK 32V

PEC

Part Number	Ampere Rating	Body Colour	
ASF020	20A	Lt. Blue	
ASF030	30A	Pink	
ASF040	40A	Green	
ASF050	50A	Red	
ASF060	60A	Yellow	
ASF080	80A	Black	
ASF100	100A	Blue	

Voltage: 32VDC **I.R.:** 1000A at 32VDC
Characteristic: Slow Acting
Pack Size: 1, 10, 20, 100, 500, 1000
Approvals: ISO 8820 / JASO D612 RoHS



Top Side





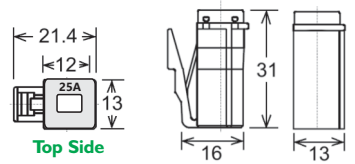
Rear Side

FUSE LINK WITH LOCK 32V

PEC

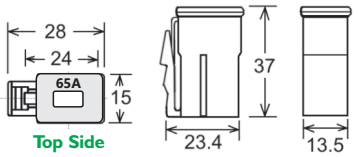
Part Number	Ampere Rating	Body Type	Body Colour	
SHF025	25A	Small	Lt. Brown	
SHF030	30A	Small	Lt. Green	
LHF045	45A	Large	Red	
LHF065	65A	Large	Black	
LHF075	75A	Large	Grey	

Voltage: 32VDC **I.R.:** 1000A at 32VDC
Characteristic: Slow Acting
Pack Size: 1, 10, 100, 500, 2000
Approvals: ISO 8820 / JASO D612 RoHS



Top Side


Small Body



Top Side


Large Body

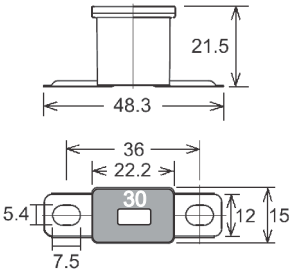
Dimensions in MM

FUSE LINK BENT MALE TERMINAL 32V

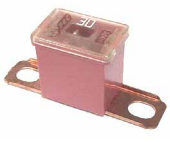
PEC

Small Body Part Number	Ampere Rating	Body Type	Body Colour
SBF030	30A	Small	Pink
SBF040	40A	Small	Green
SBF050	50A	Small	Red
SBF060	60A	Small	Yellow
SBF070	70A	Small	Brown
SBF080	80A	Small	Black
SBF100	100A	Small	Blue
SBF120	120A	Small	White
SBF140	140A	Small	Maroon

Voltage: 32VDC **I.R.:** 1000A at 32VDC
Characteristic: Slow Acting
Pack Size: 1, 10, 100
Approvals: ISO 8820 / JASO D612 RoHS

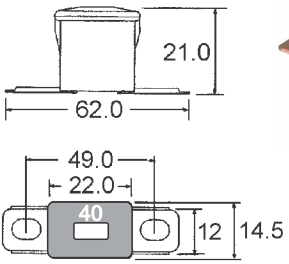


Dimensions in MM

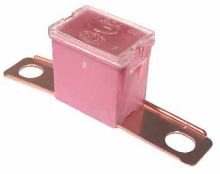

Small Body
36mm Fixing

Large Body Part Number	Ampere Rating	Body Type	Body Colour
LBF030	30A	Large	Pink
LBF040	40A	Large	Green
LBF050	50A	Large	Red
LBF060	60A	Large	Yellow
LBF070	70A	Large	Brown
LBF080	80A	Large	Black
LBF100	100A	Large	Blue
LBF120	120A	Large	White
LBF140	140A	Large	Maroon

Voltage: 32VDC **I.R.:** 1000A at 32VDC
Characteristic: Slow Acting
Pack Size: 1, 10, 100
Approvals: ISO 8820 / JASO D612 RoHS



Dimensions in MM

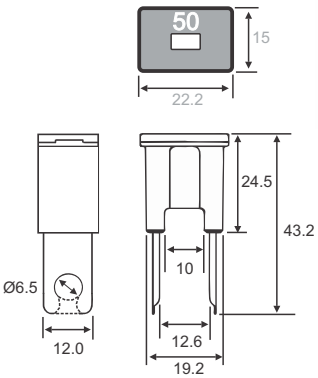

Large Body
49mm Fixing

FUSE LINK STRAIGHT MALE TERMINAL 32V

PEC

Bolt Hole Terminal Part Number	Cut Out Terminal Part Number	Ampere Rating	Body Colour
BTF030	BTCF030	30A	Pink
BTF040	BTCF040	40A	Green
BTF050	BTCF050	50A	Red
BTF060	BTCF060	60A	Yellow
BTF070	BTCF070	70A	Brown
BTF080	BTCF080	80A	Black
BTF100	BTCF100	100A	Blue
BTF120	BTCF120	120A	White
BTF140	BTCF140	140A	Maroon

Voltage: 32VDC **I.R.:** 1000A at 32VDC
Characteristic: Slow Acting
Pack Size: 1, 5, 10, 100
Approvals: ISO 8820 / JASO D612 RoHS



Dimensions in MM


BTF Series
Circular Hole

NEW


BTFC Series
Cut Out Hole

PROLEC

Email: info@prolecproducts.com.au
Web: www.prolecproducts.com.au

MULTI-POLE FUSE LINKS (3-IN-1) 58V

Bussmann

Bussmann multi-pole fuses (MPF) are cartridge fuses containing three fuse elements of the same or differing ampere ratings for protecting three circuits with a single design. They are the OEM equivalent to the fuses used on popular Infiniti and Nissan vehicles manufactured since 2002.

Part Number	Ampere Ratings	Voltage	Colour Code
MPF2-324X	30A + 20A + 40A	58VDC	Yellow
MPF2-433X	40A + 30A + 30A	58VDC	Pink
MPF2-444X	40A + 40A + 40A	58VDC	Green
MPF2-533X	50A + 30A + 30A	58VDC	Red
MPF2-534X	50A + 30A + 40A	58VDC	Blue
MPF2-535X	50A + 30A + 50A	58VDC	Black
MPF2-555X	50A + 50A + 50A	58VDC	Maroon





28.5 x 16 x 16mm
(L x W x H)

Voltage: 58VDC **I.R.:** 1000A at 58VDC
Element: Copper Alloy
Feature: Element Window
Housing Flammability: UL 94
Pack Size: Varies, please contact sales.
Approvals: ISO8820-4, JASO D612-4 RoHS

CIRCUIT DIAGRAM

3 x Power Inputs



3 x Fused Outputs



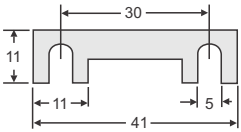
FUSE STRIP LUG TYPE WITHOUT HOUSING 36V

MTA

Part Number	Ampere Rating
FBM030	30A
FBM040	40A*
FBM050	50A
FBM060	60A*
FBM070	70A*
FBM080	80A
FBM100	100A
FBM125	125A*
FBM150	150A*

90° Fork Type Lugs





Dimensions in MM

Voltage: 36VDC **I.R.:** 625A
Material: Zinc **Mounting:** M5 studs.
Holders: In-Line Holder & Blocks (Midi fuse type)
Pack Size: 10, 100, 2000
Notes: Can be replaced by Midi fuse 58V M5 (see p.24)
Approvals: DIN 72581/2 *Not DIN standard. RoHS

RELATED PRODUCTS:



Fuse Strip Lug Block
(see p.82)

FUSE STRIP RING TYPE WITHOUT HOUSING 32V

Littelfuse

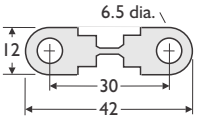
NEW

Original equipment fuses suitable for older model Volkswagen, Audi, Seat, Skoda cars.

Part Number	Assortment Pack Contains 8pcs
00940402ZP	30A, 40A, 50A, 60A, 80A, 110A, 150A, 175A



Assortment Pack



Dimensions in MM



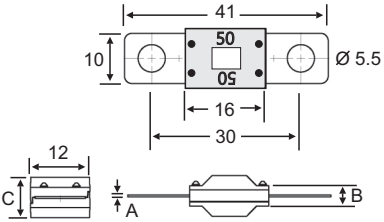
Voltage: 32VDC **I.R.:** 1000A
Material: Zinc Alloy **Mounting:** M6 studs.
Notes: Can be replaced by Midi fuse 58V M6 (see p.24)
Approvals: DIN 72581/2 RoHS

MIDI FUSE M5 32V

Littelfuse

Part Number	Ampere Rating	Font Colour
MID023-32V	23A	White
MID030-32V	30A	Orange
MID040-32V	40A	Green
MID050-32V	50A	Red
MID060-32V	60A	Yellow
MID070-32V	70A	Brown
MID080-32V	80A	White
MID100-32V	100A	Blue
MID125-32V	125A	Pink
MID150-32V*	150A	Lt. Grey
MID175-32V*	175A	Dark Grey
MID200-32V*	200A	Violet





I.R.: 2kA at 32VDC. **Voltage:** 32VDC
Characteristic: Slow Acting
Features: Element window (except 23A).
Terminal: Tin plated copper.
Pack Size: 1, 10, 100, 500, 1000
Notes: * Short circuit protector only.
Approvals: ISO 8820-5 RoHS

Dimensions in MM

Amp Ratings	A	B	C
23A-80A	0.41	4.0	8.0
100A-200A	0.63	4.3	8.3

Mounting: M5 Hole ØD 5.5

MIDI FUSE M5 & M6 58V

PEC

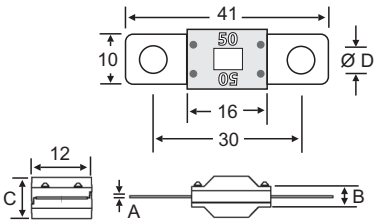
NEW

Features:
- Space saving fuse provides for high current wiring protection.
- Bolted fixing ensures optimum electrical connection.
- Low to high amperage ratings.
- Colour coded body. Element window (except 20A).
- M5 and M6 Mounting options.





M5 Hole Part Number	M6 Hole Part Number	Ampere Rating	Body Colour
MID020-58V	MID020-58VM6	20A	N/A
MID030-58V	MID030-58VM6	30A	Orange
MID040-58V	MID040-58VM6	40A	Green
MID050-58V	MID050-58VM6	50A	Red
MID060-58V	MID060-58VM6	60A	Yellow
MID070-58V	MID070-58VM6	70A	Brown
MID080-58V	MID080-58VM6	80A	White
MID100-58V	MID100-58VM6	100A	Blue
MID125-58V	MID125-58VM6	125A	Pink
MID150-58V	MID150-58VM6	150A	Grey
MID175-58V	MID175-58VM6	175A	Lt. Brown
MID200-58V	MID200-58VM6	200A	Violet



I.R.: 1.5kA at 32VDC and 1.0kA at 58VDC
Voltage: 58VDC
Characteristic: Slow Acting.
Terminal: Tin plated copper.
Options: 70V model, M6, 36mm fixing CC, contact sales.
Pack Size: 1, 10, 100, 500, 1000
Approvals: ISO 8820-5 RoHS

Dimensions in MM

Amp Ratings	A	B	C
20A-80A	0.40	4.0	8.0
100A-200A	0.64	4.3	8.3

Mounting: M5 Hole ØD 5.4
M6 Hole ØD 6.2

RELATED PRODUCTS:



Inline
(see p.82 - 82)



Fuse Blocks
(see p.94 & p.98)



Fuse Dist. Blocks
(see p.95 - 98)



Fused PDMs
(see p.110 - 117)



Fused PDMs
(see p.110 - 117)



Fuse Kits
(see p.41)

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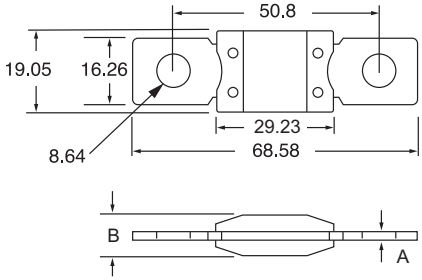
MEGA FUSE RIVETED 32V

Littelfuse

The original Littelfuse designed and patented MEGA fuse is ideal for battery, alternator connectors and other heavy gauge cables.



32V Part Number	Ampere Rating	Font Colour
0298040	40A	White
0298060	60A	White
0298080	80A	Red
0298100	100A	Yellow
0298125	125A	Green
0298150	150A	Orange
0298175	175A	White
0298200	200A	Blue
0298225	225A	Tan
0298250	250A	Pink
0298300*	300A	Grey
0298350*	350A	Green
0298400*	400A	Purple
0298450*	450A	Orange
0298500*	500A	Brown



Dimensions in MM

Amp Ratings	A	B
40A - 250A	1.02	9.9
300A - 500A	1.83	10.67

Voltage: 32VDC **I.R.:** 2kA at 32VDC.
Characteristic: Slow Acting * Short circuit protectors only.
Terminals: 40A & 60A Silver Plated Brass, 80A - 500A Copper.
Pack Size: 1, 10, 100, 28(RoHS)0
Approvals: ISO 8820-5

Mounting: M8 or 5/16" studs.

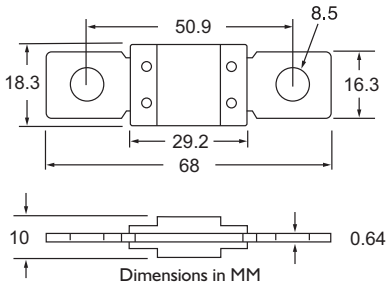
MEGAFUSE 32V & 70V

PROLEC

NEW

32V Part Number	70V Part Number	Ampere Rating	Font / Body Colour	
-	MEG010-70V	10A	Red	NEW
	MEG015-70V	15A	Blue	NEW
-	MEG020-70V	20A	Yellow	NEW
-	MEG025-70V	25A	White	NEW
-	MEG030-70V	30A	Orange	NEW
MEG040	MEG040-70V	40A	Grey	NEW
-	MEG050-70V	50A	Pink	NEW
MEG060	MEG060-70V	60A	Lt. Blue	
-	MEG070-70V	70A	Purple	NEW
MEG080	MEG080-70V	80A	Red	
MEG100	MEG100-70V	100A	Yellow	
MEG125	MEG125-70V	125A	Green	
MEG150	MEG150-70V	150A	Orange	
MEG175	MEG175-70V	175A	White	
MEG200	MEG200-70V	200A	Blue	
MEG225	MEG225-70V	225A	Tan	
MEG250	MEG250-70V	250A	Pink	
MEG300	MEG300-70V	300A	Grey	
MEG350	MEG350-70V	350A	Green	
MEG400	MEG400-70V	400A	Purple	
MEG450	MEG450-70V	450A	Orange	
MEG500	MEG500-70V	500A	Brown	





Dimensions in MM

Mounting: M8 or 5/16" studs.

Voltage (32VDC): I.R.: 1.0kA at 32VDC
Voltage (70VDC): I.R.: 2.5kA at 70VDC
Characteristic: Slow Acting
Terminals: Copper (10A-50A)Tin Plated, (60A-500A) Silver Plated
Pack Size: 1, 10, 100, 400
Approvals: ISO 20934 (RoHS)

RELATED PRODUCTS:



Inline Fuse Holder (see p.82)



Fuse Kit (see p.41)



Fuse Blocks (see p.96 - 101)



Bussed Fuse Blocks (see p.96, 99, 113)



Fused PDM's (see p113 - 115)

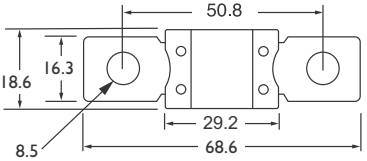
POWERVAL CALIBRE FUSE 32V

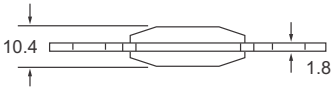
MTA



- Designed for high current circuit protection to protect starter cables.
- Ideal for starter and alternator connectors.
- These fuses allow the load of a starter motor or winch to operate without blowing the fuse, however they will open in the case of a direct short.

Part Number	Continuous Rated Current	Min. Melting Current	Max. Melting Current	Cable Size (mm^2)	Body Colour
POWCAL1	150A	380A	2000A	16	Grey
POWCAL2	150A	400A	2000A	25	Black
POWCAL3	180A	530A	2000A	50	Red
POWCAL4	180A	600A	2000A	50	Brown
POWCAL5	180A	700A	2000A	50	Wheat





Dimensions in MM

Voltage: 32VDC **I.R.:** 2000A at 32VDC
Characteristic: Slow Acting
Mounting: M8 or 5/16" studs
Terminal: (POWCAL1 - 2) Tin Plated Zinc Alloy.
(POWCAL3 - 5) Tin plated Copper.
Pack Size: 1, 10, 100
Approvals: REACH RoHS

RELATED PRODUCTS:



Inline Fuse Holder
(see p.82)



Fuse Block
(see p.96-101)



Fused PDU
(see p.111-115)

Scan this QR Code for more information

QR Code: 3004

FUSE STRIP WITH HOUSING 48V - 80V

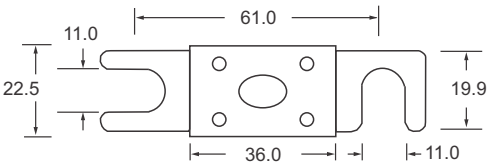
PROLEC

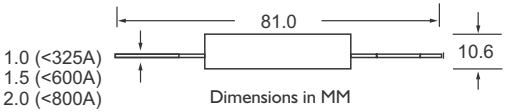
Part Number	Ampere Rating	
FBT030	30A	NEW
FBT035	35A	
FBT040	40A	
FBT050	50A	
FBT060	60A	
FBT080	80A	
FBT100	100A	
FBT125	125A	
FBT130	130A	
FBT150	150A	
FBT175	175A	
FBT200	200A	
FBT225	225A	

Part Number	Ampere Rating	
FBT250	250A	
FBT275	275A	
FBT300	300A	
FBT325	325A	
FBT350	350A	NEW
FBT355	355A	
FBT400	400A	
FBT425	425A	
FBT500	500A	
FBT600	600A	
FBT675	675A	
FBT750	750A	
FBT800	800A	



Straight Fork and 90 Degree Type Lugs





Dimensions in MM

Voltage: 48VDC (30A-425A), 80VDC (500A-800A)
I.R.: 2.5kA at 48VDC, 3kA at 80VDC.
Characteristic: Fast Acting
Mounting: M10 or 3/8" studs.
Feature: Element window.
Pack Size: 1, 10, 20, 50
Approvals: DIN 43560, IEC60269-4, TUV
UL 248 RoHS

RELATED PRODUCT:



Fuse Block & Cover
(see p.101)

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ANL LIFT TRUCK FUSES 80V

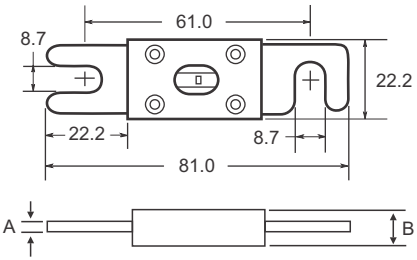
Bussmann

Non-time-delay low voltage limiter for use in isolating faults in battery operated systems. These battery isolator fuses are specially designed for the heavy duty loads associated with DC battery powered equipment such as forklift trucks, hand trucks, motorized work platforms, marine, aviation and other DC battery operated systems. Rugged construction and stud mounted bolt-in design assure a long life in adverse conditions.

SILVER PLATED | IGNITION PROTECTED

Part Number	Ampere Rating	Part Number	Ampere Rating
ANL035	35A	ANL225	225A
ANL040	40A	ANL250	250A
ANL050	50A	ANL275	275A
ANL060	60A	ANL300	300A
ANL080	80A	ANL325	325A
ANL100	100A	ANL350	350A
ANL125	125A	ANL400	400A
ANL130	130A	ANL500	500A
ANL150	150A	ANL600	600A
ANL175	175A	ANL675	675A
ANL200	200A	ANL750	750A





I.R.: 2.7kA (All ratings, 80VDC)
6kA (35A to 500A, 32VAC), 2.7kA (600A to 750A, 32VAC)
Voltage: 32VAC / 80VDC
Characteristic: Fast Acting
Ignition Protected: Ignition Proof (35A-500A).
Materials: Silver plated copper link.
Mounting: M8 or 5/16" studs
Features: Element visible inspection mica window.
Holders: Block. **Pack Size:** 1, 5, 10, 50, 100
Approvals: Ignition Protected J1171 (35A to 500A) SAE (600A, 675A & 750A ratings) RoHS

ANL Series

Ampere Rating	Dimensions in MM A	B
35A to 200A	0.45	7.55
225A to 325A	1.40	8.70
350A to 675A	2.70	9.50
750A	3.35	10.9

RELATED PRODUCTS: Fuse Block (see p.101)

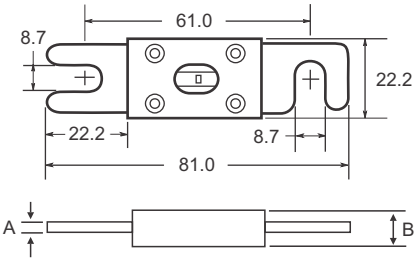


ANN LIFT TRUCK FUSES 80V

Bussmann

Part Number	Ampere Rating	Part Number	Ampere Rating
ANN010	10A	ANN225	225A
ANN035	35A	ANN250	250A
ANN040	40A	ANN275	275A
ANN050	50A	ANN300	300A
ANN060	60A	ANN325	325A
ANN080	80A	ANN350	350A
ANN090	90A	ANN400	400A
ANN100	100A	ANN500	500A
ANN125	125A	ANN600	600A
ANN150	150A	ANN700	700A
ANN175	175A	ANN800	800A
ANN200	200A		





I.R.: 2.5kA (125VAC), 2.7kA (80VDC)
Voltage: 125VAC / 80VDC
Characteristic: Very Fast Acting
Mounting: M8 or 5/16" studs
Features: Element visible inspection mica window.
Holders: Block. **Pack Size:** 1, 5, 10, 50, 100
Notes: ANN series is not ignition proof
Approvals: (35A-400A, 500A DC only)

ANN Series

Ampere Rating	Dimensions in MM A	B
10A to 300A	1.19	9.12
325A to 600A	4.47	12.70
700A to 800A	5.94	13.49

RELATED PRODUCTS: Fuse Block (see p.101)



BATTERY FUSE - MARINE RATED 58V

Bussmann

IP66 IGNITION PROTECTED

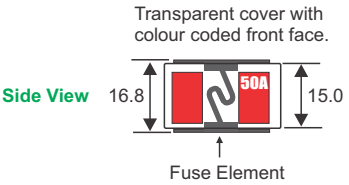
Marine Rated Battery Fuses - Designed for the most demanding environment to provide high current protection for the tightest space constraints. Suitable for main and auxiliary circuit protection such as alternator outputs, starter motor inputs, and accessory circuits. The breaking capacity meets the requirements of conventional vehicle batteries and 12V, 24V and 42V electrical networks.

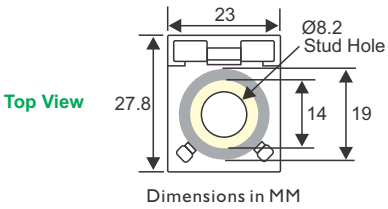


Features:
- Extensive amperage range 30A to 300A.
- Voltage rating 58VDC max.
- Ignition protected per SAE J1117.
- Weatherproof (IP66).
- Functional after 500 hours salt spray and salt fog test.
- Clear element window, visual indication of blown condition.
- Colour coded for easy amperage identification.
- Several mounting options. Accept mounting terminal size M8 max.
- Performance requirements per ISO8820-6.



Part Number	Ampere Rating	Face Colour
MRBF030	30A	Lt. Green
MRBF040	40A	Lt. Blue
MRBF050	50A	Red
MRBF060	60A	Gold
MRBF075	75A	Brown
MRBF080	80A	Lime
MRBF090	90A	Purple
MRBF100	100A	Yellow
MRBF125	125A	Green
MRBF150	150A	Orange
MRBF175	175A	White
MRBF200	200A	Blue
MRBF225	225A	Tan
MRBF250	250A	Pink
MRBF300	300A	Grey





Voltage: 58VDC
I.R.: 2kA at 58VDC, 5kA at 32VDC, 10kA at 14 VDC
Characteristic: Slow Acting
Pack Size: 1, 10, 100
Housing: UL-rated 94V0 thermoplastic
Body: Ceramic
Ring Terminals: Tin plated
Holders: Battery Fuse Bar.
Mounting: 1/4"-20 or M8 studs
Approvals: ISO8820-6 *SAE*

Scan this QR Code for more information

QR Code: 3000

RELATED PRODUCTS:



Marine Rated Battery Fuse Assortment Kit
(see p.41)



Fuse Bar Single Pole Kit
(see p.106)



Fuse Bar Double Pole Kit
(see p.106)

PROLEC
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ZCASE BATTERY FUSE - STARTER FUSE 32V

Littelfuse

The Zcase Single Mega Starter Fuse is a minimal footprint bolt down fuse with a wide rating range up to 600A in the same packaging size. The Time Current characteristic is similar to the well known Mega fuse and fuse ratings up to 250A can used for full wire protection. Higher fuse ratings mostly used for typically Starter Fuse application as a protector fuse. The fuse can used directly on a battery post or busbar connection. Littelfuse is offering a complete solution for the necessary stud and different busbar connections including some battery clamps.

Features:
- Extensive amperage range 40A to 600A.
- Voltage rating 32VDC max.
- Accept mounting terminal size M8 max.
- Several mounting options, stud and post.
- Multi position busbar fed fuse blocks available.



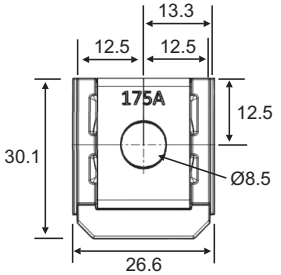
ZCASE Shunt

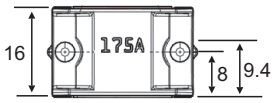


ZCASE Fuse

M8 Part Number	Ampere Rating	Wire Size	
3298040	40A	4mm²	
3298060	60A	6mm²	
3298080	80A	10mm²	
3298100	100A	16mm²	
3298125	125A	16mm²	
3298150	150A	25mm²	
3298175	175A	25mm²	
3298200	200A	35mm²	
3298225	225A	35mm²	
3298250	250A	50mm²	
3298300	300A	35mm²	
3298350	350A	35mm²	
3298400	400A	50mm²	
3298500	500A	50mm²	
3298600	600A	50mm²	
3298900	Shunt	50mm²	NEW







Dimensions in MM

Voltage: 32VDC
I.R.: 2kA at 32VDC
Characteristic: Slow Acting
Cover / Base: PPA (33% GF)
Operating Temp: -40°C to 125 °C.
Insulating Tube: Ceramic
Terminal: Copper Tin Plated
Mounting: M6 or M8 stud (40A - 250A), M8 stud (300A - 600A).
Pack Size: 1, 5, 10, 100, 480
Holders: Stud Terminal Mount 1 Way and 2 Stacked.
Top Post Terminal Mount 2 and 3 Way.
Fuse Block 5 and 7 Way.
Zcase Options with M10 Mounting Terminal Type:
- Battery Fuse Zcase M10: 32V (80A to 600A), #3298xxx.ZXM10.
- Battery Shunt Zcase M10: 32V, #3298900.ZXM10.

Please contact sales for further information on all of the above variants.

RELATED PRODUCTS:



Terminal Stackable Fuse Bar & Cover
Stud Mount (p.107)



Post Mount 2 & 3 Way Fuse Bar & Cover
Post Mount (p.107 & 109)



Multi-Pole 5 & 7 Way Bussed Fuse Blocks
Surface Mount (p.108 - 109)



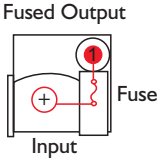
Post Mount 2-3 Way Fuse Bar & Cover
Stud Mount (p.109)

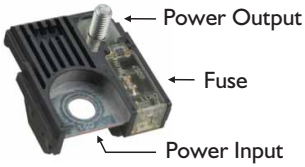
MULTI-POLE BATTERY TERMINAL FUSES 32V

Bussmann

Battery terminal fuses are fuses containing one or more fuse elements of different ampere ratings for protecting circuits directly from the battery's terminal. Their function is to protect the conductors and not the devices on the circuit(s). They are the OEM equivalent to those part numbers used on popular models of Chrysler, Ford, Lexus, Lincoln, Mitsubishi, Nissan, Subaru, Suzuki, and Toyota vehicles since 2001.

Part Number	Ampere Ratings
BTF-1P-80	80A
BTF-1P-100	100A
BTF-1P-120	120A
BTF-1P-140	140A





Voltage: 32VDC **I.R.:** 1000A at 32VDC
Operating Temperature: -40°C to +120°C.
Body: PS-S-GF35
Element: Copper Alloy
Clear Fuse Cover: Amp stamp
Pack Size: Varies, contact sales.
Approvals: ISO8820-4, JASO D612-4 RoHS

ELECTRIC VEHICLE FUSES - INTRODUCTION

Adler Electric®

Like regular cars, electric vehicles (EV's) contain electrical components that need to be protected from dangerous overcurrents and short circuits. In addition, EV's also have high voltage DC parts like high-capacity battery packs, power conversion devices and other auxiliary circuits. Fuses for EV applications must meet special requirements to ensure safe and reliable operation. The same applies to EV fast charging stations which are able to deliver high DC currents. ADLER has developed a complete range of EV fuse products to suit the different demands of Automotive EV applications. Manufactured under IATF 16949 quality system.

Regular semiconductor fuses with ceramic bodies are simply not suitable for the high mechanical & thermal stresses endured by vehicles. Adler EV fuses are designed in compliance with automotive standards such as ISO 8820-1, ISO 8820-8, UL 248-20, JASO D622 & GB/T 31465.6. Additionally, they are available with melamine laminated glass fibre bodies to withstand mechanical shocks and vibrations and avoid long-term damage. Adler fuses range from 200VDC to 1500VDC. Prolec can provide you with the right fuse for your application be it EV main, EV auxiliary circuits, EV charging stations or DC converters. Please contact sales for further information.

Product Type	Series	Amperage	Voltage
EV Fuse	AEY	10A - 500A	70Vdc
EV Fuse	AEL	10A - 500A	80Vdc
EV Fuse	AE4	10A - 63A	200Vdc
EV Fuse	AE2	10A - 50A	500Vdc
EV Fuse	EF3	150A - 700A	150-315Vdc
EV Fuse	EF5	100A - 400A	500Vdc
EV Fuse	AE5	50A - 800A	500Vdc
EV Fuse	EF8	100A - 400A	800Vdc
EV Fuse	AE3	5A - 50A	850Vdc
EV Fuse	AE7	60A - 800A	800Vdc
EV Fuse	AE6	5A - 80A	1000Vdc
EV Fuse	EFX	550A - 1100A	1000Vdc
EV Fuse	EFX	63A - 500A	1000Vdc
EV Fuse	ATX	160A - 1400A	1000Vdc
EV Fuse	AEX	70A - 800A	1000Vdc
EV Fuse	EFZ	100A - 300A	1500Vdc
Pyro EV Fuse	PFX	600A	1000Vdc
Pyro EV Fuse	PF6	600A	600Vdc
EVS Fuse	AT1	20A -200A	150Vdc
EVS Fuse	AT2	200A - 500A	250Vdc
EVS Fuse	AT5	60A - 400A	500Vdc
EVS Fuse	AT7	125A - 400A	800Vdc
EVS Fuse	AEX	70A - 800A	1000Vdc
EVS Fuse	ATX	250A - 600A	1000Vdc

SMD, PCB, Cartridge Fuses, Fuse Blocks & Fuse Clips



Flush Tag Fuses, Fuse Blocks and Modular Blocks



Threaded, Bladed, Centre Tag Fuses & Fuse Blocks



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CLASS T HIGH INTERRUPT 160V

Bussmann

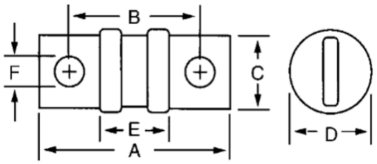
Features

- Circuit protection for devices including most inverter manufacturers.
- High interrupt capacity for large battery banks including Lithium-Ion and TPPL batteries.
- Current limitation for non-inductive circuits. Current-limiting response to short-circuit conditions.
- 200kA interrupting rating provides high ratings at all circuit locations.

Part Number	Ampere Rating
JJN070	70A
JJN080	80A
JJN090	90A
JJN100	100A
JJN110	110A
JJN125	125A
JJN150	150A
JJN175	175A
JJN200	200A

Part Number	Ampere Rating
JJN225	225A
JJN250	250A
JJN300	300A
JJN350	350A
JJN400	400A
JJN450	450A
JJN500	500A
JJN600	600A
JJN700	700A
JJN800	800A
JJN1000	1000A
JJN1200	1200A





Voltage VDC: 160VDC (70A to 600A), 170VDC (700A to 1200A)
I.R VDC.: 20kA at 160VDC (70A to 600A), 100kA (700A to 1200A)
Voltage VAC: 300VAC **I.R VAC.:** 200kA at 300VAC
Characteristic: Very fast acting
Extended Ratings: 1A to 60A contact sales.
Pack Size: Varies 1, 5, 10.
Approvals: RoHS



RELATED PRODUCTS: **Fuse Blocks** (see p.104)

Dimensions in MM

Ampere Rating	A	B	C	D	E	F
70A to 100A	54.8	39.7	19.1	20.6	21.4	7.2
110A to 200A	61.9	42.9	22.2	27.0	21.4	8.7
225A to 400A	69.9	46.8	25.4	33.3	21.0	10.3
450A to 600A	77.8	51.6	31.8	40.5	22.4	12.3
700A to 800A	85.9	56.4	44.5	TBC	23.4	14.3
1000A to 1200A	101.7	64.3	50.8	TBC	27.5	15.5

ELECTRIC VEHICLE AUXILIARY FUSES AE2 500V

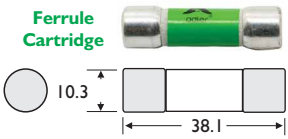
Adler Electric®

General purpose fuse for EV / HEV auxiliary protection.

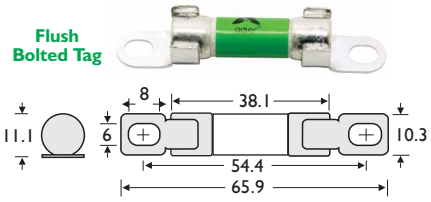
Cartridge Part Number	Flush Bolted Part Number	Ampere Rating
AE22100607	AE22100605	10A
AE22150607	AE22150605	15A
AE22200607	AE22200605	20A
AE22250607	AE22250605	25A
AE22300607	AE22300605	30A
AE22350607	AE22350605	35A
AE22400607	AE22400605	40A
AE22450607	AE22450605	45A
AE22500607	AE22500605	50A

Voltage: 500VDC **I.R.:** 20kA at 500VDC.
Time Constant: 1-3ms
Holders (Cartridge): Clips, Blocks & Inline.
Holders (Flush Bolted): Fuse block.
Terminal Options: PCB Mount & Centre tag.
Approvals: UL 248-20, TUV, ISO 8820-8; GB/T 31465.6

Ferrule Cartridge



Flush Bolted Tag



RELATED PRODUCTS:

Cartridge Fuse Clips
BC800 (see p.68)



Cartridge Fuse Block
BH114-1C (see p.102)
BH114-CN (see p.102)



Flush Tag Fuse Block
BH114-1M (see p.102)
BH114-CN (see p.102)



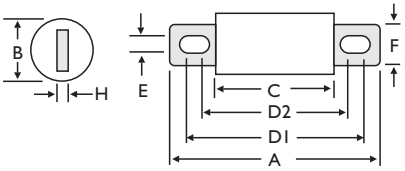
ELECTRIC VEHICLE PDU FUSES AE5 500V

Adler Electric®

Special purpose fuse for EV / HEV automotive use. Ideal for high power EV PDU and battery protection.

Part Number	Ampere Rating	Dia.	
AE52500620	50A	21	
AE52600620	60A	21	
AE52700620	70A	21	
AE52800620	80A	21	
AE53100620	100A	21	
AE53125620	125A	21	
AE53150620	150A	21	
AE53100625	100A	25	
AE53125625	125A	25	
AE53150625	150A	25	
AE53175625	175A	25	
AE53200625	200A	25	
AE53225625	225A	25	
AE53250625	250A	25	
AE53200631	200A	31	
AE53225631	225A	31	
AE53250631	250A	31	
AE53300631	300A	31	
AE53350631	350A	31	
AE53400631	400A	31	
AE53400638	400A	38	
AE53500638	500A	38	
AE53500651	500A	51	
AE53600651	600A	51	
AE53700651	700A	51	
AE53800651	800A	51	NEW





Dimensions in MM

Series	Amperage	A	B	C	D1	D2	E	F	H
AE5...620	50A-150A	81	21	40	66	57	8.5	15	3.2
AE5...625	100A-250A	89	25	44	73	71	9.0	18	3.2
AE5...631	200A-400A	92	31	53	76	69	8.5	22	5
AE5...638	400A-500A	110	38	53	88	70	10.5	24.8	6
AE5...651	500A-800A	110	51	53	90	71	10.5	38	6

I.R.: 50kA (Self Cert.), 30kA (TUV) at 500VDC
Voltage: 500VDC
Time Constant: (L/R) 2 +/- 0.5ms
Ref: JASO D622, ISO 8820-8, GB/T 31465
Approvals: UL TUV (50A-400A)

RELATED PRODUCTS:



Fixed EV Fuse Blocks
(see p103.)



Modular Fuse Blocks
(see p104.)

PROLEC
Email: info@prolecproducts.com.au
Web: www.prolecproducts.com.au

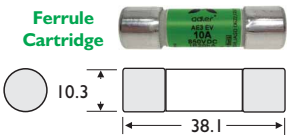
ELECTRIC VEHICLE AUXILIARY FUSES AE3 850V

Adler Electric®

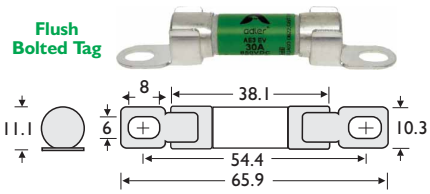
General purpose fuse for EV / HEV auxiliary protection.

Cartridge Part Number	Flush Bolted Part Number	Ampere Rating
AE31500i07	AE31500i05	5A
AE31800i07	AE31800i05	8A
AE32100i07	AE32100i05	10A
AE32150i07	AE32150i05	15A
AE32200i07	AE32200i05	20A
AE32250i07	AE32250i05	25A
AE32300i07	AE32300i05	30A
AE32350i07	AE32350i05	35A
AE32400i07	AE32400i05	40A
AE32450i07	AE32450i05	45A
AE32500i07	AE32500i05	50A

Ferrule Cartridge



Flush Bolted Tag



Voltage: 850VDC **I.R.:** 20kA at 850VDC.
Time Constant: 1-3ms
Pack Size: 1 (stock lines), 10pcs (indent items).
Holders (Cartridge): Fuse clips, blocks, carriers & Inline.
Holders (Flush Bolted): Bolt down fuse block.
Terminal Options: PCB Mount & Centre tag also available.
Ref To: UL248-20, JASO D622, ISO 8820-8, GB/T 31465.6
Approvals: UL File (E506666) RoHS REACH

RELATED PRODUCTS:

Cartridge Fuse Clips
BC800 (see p.68)





Cartridge Fuse Block
BH114-1C (see p.102)
BH114-CN (see p.102)





Flush Tag Fuse Block
BH114-1M (see p.102)
BH114-CN (see p.102)



ELECTRIC VEHICLE PDU FUSES AE7 800V

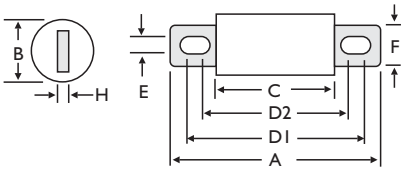
Adler Electric®

UPDATED

AE7 EV fuses are specifically engineered and tested to provide best in class auxiliary protection.

Part Number	Ampere Rating	Dia.	
AE72600i25	60A	25	
AE72700i25	70A	25	
AE72800i25	80A	25	
AE73100i25	100A	25	
AE73125i25	125A	25	
AE73150i25	150A	25	
AE73175i38	175A	38	
AE73200i38	200A	38	
AE73250i38	250A	38	
AE73300i38	300A	38	
AE73350i38	350A	38	
AE73400i38	400A	38	
AE73450i51	450A	51	
AE73500i51	500A	51	
AE73560i51	560A	51	
AE73600i51	600A	51	
AE73700i51	700A	51	NEW
AE73800i51	800A	51	NEW





Dimensions in MM

Series	Amperage	A	B	C	D1	D2	E	F	H
AE7...i25	60A-150A	111	25	66	95	93	9	18	3
AE7...i38	175A-400A	129	38	72	107	89	10.5	25	6
AE7...i51	450A-800A	129	51	72	109	90	10.5	38	6

Voltage: 800VDC **I.R.:** 50kA at 800VDC
Time Constant: (L/R) 2 +/- 0.5ms
Designed To: JASO D622, ISO 8820-8, UL248-20
Approvals: UL Certified (E506666)
Ref To: IEC 60269-4 RoHS REACH

RELATED PRODUCTS:

Fixed Fuse Blocks
(see p103.)



Modular Fuse Blocks
(see p104.)



ELECTRIC VEHICLE PDU FUSES AE6 1000V

Adler Electric®

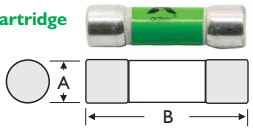
Best in class protection for high power battery charging and managing systems for EV and HEV's.

Cartridge Part Number	Flush Tag Part Number	Ampere Rating	
AE61500A00	AE61500A02	5A	
AE61600A00	AE61600A02	6A	
AE61800A00	AE61800A02	8A	
AE62100A00	AE62100A02	10A	
AE62120A00	AE62120A02	12A	
AE62150A00	AE62150A02	15A	
AE62200A00	AE62200A02	20A	NEW
AE62250A00	AE62250A02	25A	NEW
AE62300A00	AE62300A02	30A	NEW
AE62200B00	AE62200B02	20A	
AE62250B00	AE62250B02	25A	
AE62300B00	AE62300B02	30A	
AE62350B00	AE62350B02	35A	
AE62400C00	AE62400C02	40A	
AE62500C00	AE62500C02	50A	
AE62600C00	AE62600C02	60A	

Voltage: 1000VDC **I.R.:** 30kA at 1000VDC.
Time Constant: 2 ± 0.5ms
Terminal Options: Centre tag, PCB and vertical mount.
Approvals: ISO 8820-8; GB/T 31465.6; UL 248-20, JASO D622

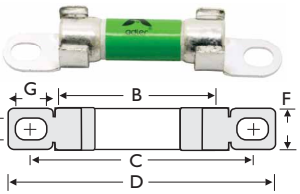
RoHS REACH

Ferrule Cartridge UPDATED



Series	Amperage	A	B	I.R @ 1000VDC
AE6...A00	5A - 30A	10	38	30kA
AE6...B00	20A - 50A	14	51	30kA
AE6...C00	35A - 60A	14	65	30kA
AE6...V00	10A - 80A	22	65	50kA

Flush Bolted Tag



Dimensions in MM

Series	Amperage	A	A1	A2	B	C	D	E	F	G
AE6...A02	5A - 30A	10.3	11.1	11.1	38	53.5	64	5.3	12	7
AE6...B02	20A - 50A	14.2	12.0	16.5	51	72.0	86	6.5	12	9.4
AE6...C02	35A - 60A	14.2	12.0	16.5	65	87.0	101	6.5	12	9.4
AE6...V02	10A - 80A	22.1	16.0	24.0	65	85.4	103	6.5	16	9.4

RELATED PRODUCTS:



Fuse Blocks (see p.102)



Mod. Fuse Blocks (see p.104)

ELECTRIC VEHICLE PDU FUSES AEX 1000V

Adler Electric®

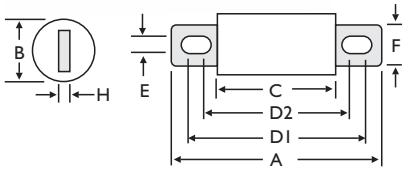
Best in class to protect high power EV & HEV high power battery charging and managing systems.

Part Number	Ampere Rating	Dia.	
AEX2700731	70A	31	
AEX2800731	80A	31	
AEX2900731	90A	31	
AEX3100731	100A	31	
AEX3125738	125A	38	
AEX3150738	150A	38	
AEX3175738	175A	38	
AEX3200738	200A	38	
AEX3250751	250A	51	
AEX3300751	300A	51	
AEX3350751	350A	51	
AEX3400751	400A	51	
AEX3500751	500A	51	
AEX3600764	600A	64	
AEX3700C64	700A	64	NEW
AEX3800C64	800A	64	NEW

Voltage & I.R.: 1000VDC, 50kA at 1000VDC
Voltage & I.R.: 1000VAC, 100kA at 1000VAC
Time Constant: (L/R) 2 ± 0.5ms
Designed To: JASO D622, ISO8820-8, UL248-20
Complies: IEC60269-7, UL248-13, GB/T 13539-4
Approvals: RoHS REACH CE

UPDATED





Dimensions in MM

Series	Amperage	A	B	C	D1	D2	E	F	H
AEX..731	70A-100A	125	31	86	109	102	8.5	22	5
AEX..738	125A-200A	140	38	83	118	100	10.5	25	6
AEX..751	250A-500A	146	51	89	126	107	10.5	38	6
AEX..764	600A	196	64	88	162	122	13	50	10
AEX..C64	700A-800A	122	64	64	102	92.5	10.5	38	10

RELATED PRODUCTS:



Fuse Blocks (see p.103)



Fuse Blocks (see p.104)

PROLEC

Email: info@prolecproducts.com.au
Web: www.prolecproducts.com.au

EMERGENCY MULTI FUSE ASSORTMENT PACKS

Assortment of genuine original equipment fuse types. Suits most models. Ideal for glove box offering instant replacement when on the road. The clear plastic container features a snap lock closing lid.

NEW

Micro2, Micro3 & MCase Slotted Fuse Pack - 18pcs



Part Number	Pack Contains
MICRS00AP	Micro2 Blade Fuses: MICR2 (1pc): 5A, 7.5A, 10A, 15A, 20A, 25A, 30A Micro3 Blade Fuses: MICR3 (1pc): 5A, 7.5A, 10A, 15A Mcase Slotted Fuse Links: MCPS (1pc):15A, 20A, 25A, 30A, 40A, 50A, 60A

Micro2, Micro3 & MCase Fuse Pack - 16pcs



Part Number	Pack Contains
MICR000AP	Micro2 Blade Fuses: MICR2 (1pc): 5A, 7.5A, 10A, 15A, 20A, 25A, 30A Micro3 Blade Fuses: MICR3 (1pc): 5A, 7.5A, 10A, 15A Mcase Fuse Links: MJC (1pc):15A, 20A, 25A, 30A, 40A

Auto & Mini Fuse Pack - 15pcs



Part Number	Pack Contains
ATMN000AP	Auto Fuses: ATF (1pc): 5A, 10A, 15A, 20A, 25A, 30A Mini Fuses: MIN (1pc): 3A, 5A, 7.5A, 10A, 15A, 20A, 25A, 30A Fuse Puller: Auto / Mini (1pc)

Chrysler, Dodge, Jeep Fuse Pack - 16pcs



Part Number	Pack Contains
CDJ000AP	Mini Blade Fuses: MIN (1pc): 7.5A, 25A, 30A, (3pcs): 10A, 15A, (2pcs) 20A Jcase Fuse Links: JTF (1pc):20A, 30A, 40A, 50A Fuse Puller: (1pc) Mini, Jcase

Ford & GM Fuse Pack - 20pcs



Part Number	Pack Contains
FDGM000AP	Mini Blade Fuses: MIN (1pc): 7.5A, 25A, 30A, (3pcs): 10A, 15A, (2pcs) 20A Low Profile Mini Fuses: LPM (1pc): 10A, 15A Low Profile Jcase Fuse Links: LJC (1pc):30A, 40A Jcase Fuse Links: JTF (1pc):20A, 30A, 40A, 50A Fuse Puller: (1pc) Mini, Low Profile Mini, Jcase

Hyundai, Kia, Genesis Fuse Pack - 24pcs



Part Number	Pack Contains
HYD000AP	Micro2 Blade Fuses: MICR2 (1pc): 10A, 15A, 20A, 25A, 30A Mini Fuses: MIN (1pc): 10A, 15A, 20A, 25A, 30A Low Profile Mini Fuses: LPM (1pc): 7.5A, 10A, 15A, 20A, 25A, 30A Low Profile Jcase Fuse Links: LJC (1pc):20A, 30A, 40A Jcase Fuse Links: JTF (1pc):30A, 40A, 50A Fuse Puller: (1pc) Micro2, Mini, Low Profile Mini Fuse Puller: (1pc) Jcase, Low Profile Jcase

Nissan & Infiniti Fuse Pack - 29pcs



Part Number	Pack Contains
NSN000AP	Auto Fuses: ATF (1pc): 5A, 7.5A, 10A, 15A, 20A, 30A, 40A Mini Fuses: MIN (1pc): 2A, 3A, 4A, 5A, 7.5A, 10A, 15A, 20A, 25A, 30A Micro2 Blade Fuses: MICR2 (1pc): 5A, 10A, 15A, 20A, 30A Mcase Slotted Fuse Links: MCPS (1pc):30A, 40A, 50A, 60A Fuse Pullers: (1pc) Micro2 , Auto, Mini, (1pc) Mcase

Toyota & Lexus Fuse Pack - 15pcs



Part Number	Pack Contains
TYT000AP	Micro2 Blade Fuses: MICR2 (1pc): 5A, 7.5A, 10A, 15A, 20A, 25A, 30A Low Profile Mini Fuses: LPM (1pc): 5A, 7.5A, 10A, 15A, 20A, 30A Fuse Puller: (1pc) Micro2, Low Profile Mini

LED INDICATING FUSE ASSORTMENT PACKS

Prolec's LED indicating blade fuse assortment packs were a finalist in the Australian Automotive Aftermarket Associations Awards for Most Innovative New Packaging.

Features:
- Genuine original equipment fuses.
- Clear plastic re-sealable container.
- Australian designed and kitted locally.
- Custom kits are also available upon request.
- Suit retail peg boards and counter stands.
- Detailed product information on rear side.



LED Mini Fuse Assortment Pack - 16pcs

Part Number	Pack Contains
MIND-KIT2	MIND (2pcs): 3A, 5A, 7.5A, 10A, MIND (2pcs): 15A, 20A, 25A, 30A Bonus Fuse Puller (1pc): FP-7AM





LED Auto Fuse Assortment Pack - 16pcs

Part Number	Pack Contains
ATFD-KIT2	ATFD (2pcs): 3A, 5A, 7.5A, 10A, ATFD (2pcs): 15A, 20A, 25A, 30A Bonus Fuse Puller (1pc): FP-7AM





BLADE FUSE ASSORTMENT PACKS

Micro2 Fuse Assortment Pack - 35pcs

Part Number	Pack Contains
MICR2-KIT2	MICR2 (5pcs): 5A, 7.5A, 10A, MICR2 (5pcs): 15A, 20A, 25A, 30A





Low Profile Mini Fuse Assortment Pack - 35pcs

Part Number	Pack Contains
LPM-KIT2	LPM (5pcs): 5A, 7.5A, 10A, LPM (5pcs): 15A, 20A, 25A, 30A





Mini Fuse Assortment Pack - 35pcs

Part Number	Pack Contains
MINI-KIT2	MIN (5pcs): 5A, 7.5A, 10A, MIN (5pcs): 15A, 20A, 25A, 30A





Auto Fuse Assortment Pack - 35pcs

Part Number	Pack Contains
AUTO-KIT2	ATF (5pcs): 5A, 7.5A, 10A, ATF (5pcs): 15A, 20A, 25A, 30A





Email: info@prolecproducts.com.au
Web: www.prolecproducts.com.au

FUSE ASSORTMENT KITS - MICRO2, MICRO3 & MCASE

Features:
- Genuine original equipment fuses.
- Clear plastic re-sealable container.
- Designed and kitted in Australia.
- Custom kits are also available.
- Suit workshop, store or mobile van.
- Product information on label.

Micro2 Blade Fuse Kit - 90pcs

Part Number
MICR2-KIT

Kit Contains
Micro2 Blade Fuses;
MICR2 (10pcs): 5A, 7.5A, 15A ,25A, 30A
MICR2 (20pcs): 10A, 20A


Micro2





Micro2 & Micro3 Blade Fuse Kit - 55pcs

Part Number
MICR2+3-KIT

Kit Contains
Micro2 Blade Fuses;
MICR2 (5pcs): 5A, 7.5A, 10A, 15A, 20A, 25A, 30A

Micro3 Blade Fuses;
MICR3 (5pcs): 5A, 7.5A, 10A, 15A


Micro2


Micro3





Micro Fuse Range Kit - 136pcs

Part Number
MICROASST-KIT

Kit Contains
Micro2 Blade Fuses;
MICR2 (10pcs): 5A, 7.5A, 10A, 15A, 20A, 25A, 30A

Micro3 Blade Fuses;
MICR3 (10pcs): 5A, 7.5A 10A, 15A

Mcase Unslotted Fuse Links;
MJC (5pc):15A, 20A, 25A, 30A, 40A

Micro2 / Micro3 Fuse Puller;
00970025 (1pc)


Micro2


Micro3


Mcase Unslotted


Fuse Puller





Micro Plus Fuse Range Kit - 146pcs

NEW

Part Number
MICROPLUS-KIT

Kit Contains
Micro2 Blade Fuses;
MICR2 (10pcs): 5A, 7.5A, 10A, 15A, 20A, 25A, 30A

Micro3 Blade Fuses;
MICR3 (10pcs): 5A, 7.5A 10A, 15A

Mcase Slotted Fuse Links;
MCPS (5pc):15A, 20A, 25A, 30A, 40A, 50A, 60A

Micro2 / Micro3 Fuse Puller;
00970025 (1pc)


Micro2


Micro3


Mcase Slotted


Fuse Puller





FUSE ASSORTMENT KITS - AGC, LOW PROFILE MINI & MINI

Features:
- Genuine original equipment fuses.
- Clear plastic re-sealable container.
- Australian designed and kitted locally.
- Custom kits are also available upon request.
- Suit trade workshop, store or mobile van.
- Detailed product information on rear side.

AGC 3AG Fuse Kit - 100pcs

NEW

Part Number
AGC-KIT

Kit Contains
AGC / 3AG Fuses;
AGC (10pcs): 1A, 3A, 5A, 7.5A
AGC (10pcs): 10A, 15A, 20A
AGC (10pcs): 25A, 30A, 35A
Note: Imperial (1-1/4" x 1/4")
Metric (6.35 x 31.8mm)







Low Profile Mini Blade Fuse Kit - 100pcs

UPDATED

Part Number
LPM-KIT

Kit Contains
Low Profile Mini Blade Fuses;
LPM (10pcs): 3A, 5A, 7.5A
LPM (10pcs): 15A, 25A, 30A
LPM (20pcs): 10A, 20A

Bonus Fuse Puller;
(1pc): FP-7AM



Fuse Puller





Mini Blade Fuse Kit - 100pcs

Part Number
MINI-KIT

Kit Contains
Mini Blade Fuses;
MIN (10pcs): 3A, 5A, 7.5A
MIN (10pcs): 15A, 25A, 30A
MIN (20pcs): 10A, 20A







LED Mini Blade Fuse Kit - 80pcs

Part Number
MIND-KIT

Kit Contains
LED Mini Blade Fuses;
MIND (10pcs): 3A, 5A, 7.5A, 10A,
MIND (10pcs): 15A, 20A, 25A, 30A

Bonus Fuse Puller;
(1pc): FP-7AM



Fuse Puller





Email: info@prolecproducts.com.au
Web: www.prolecproducts.com.au

FUSE ASSORTMENT KITS - AUTO & MAXI BLADE

Features:
- Genuine original equipment fuses.
- Clear plastic re-sealable container.
- Australian designed and kitted locally.
- Custom kits are also available upon request.
- Suit trade workshop, store or mobile van.
- Detailed product information on rear side.

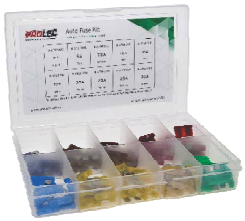
Auto Blade Fuse Kit - 100pcs

Part Number
AUTO-KIT

Kit Contains
Auto Blade Fuses;
ATF (10pcs): 3A, 5A, 7.5A
ATF (10pcs): 15A, 25A, 30A
ATF (20pcs): 10A, 20A







LED Auto Blade Fuse Kit - 80pcs

NEW

Part Number
ATFD-KIT

Kit Contains
LED Auto Blade Fuses;
ATFD (10pcs): 3A, 5A, 7.5A
ATFD (10pcs): 10A, 15A, 20A
ATFD (10pcs): 25A, 30A

Bonus Fuse Puller;
(1pc): FP-7AM





Fuse Puller





Maxi Blade Fuse Kit - 32pcs

Part Number
MAXI-KIT

Kit Contains
Maxi Blade Fuses;
MAX (4pcs): 20A, 30A, 40A
MAX (4pcs): 50A, 60A, 70A
MAX (4pcs): 80A, 100A







LED Maxi Blade Fuse Kit - 17pcs

NEW

Part Number
MAXD-KIT

Kit Contains
LED Maxi Blade Fuses;
MAXD (2pcs): 20A, 30A, 40A
MAXD (2pcs): 50A, 60A, 70A
MAXD (2pcs): 80A, 100A

Fuse Puller;
(1pc): 00970026





Fuse Puller





FUSE ASSORTMENT KITS - MCASE'S, L.P JCASE, JCASE

Features:
- Genuine original equipment fuses.
- Clear plastic re-sealable container.
- Australian designed and kitted locally.
- Custom kits are also available upon request.
- Suit trade workshop, store or mobile van.
- Detailed product information on rear side.

Mcase Slotted Fuse Kit - 29pcs

NEW

Part Number
MCASEPS-KIT

Kit Contains
Mcase Slotted Fuses;
MCPS (4pcs): 15A, 20A, 25A
MCPS (4pcs): 30A, 40A, 50A,
MCPS (4pcs): 60A

Fuse Puller;
(1pc): 00970054



Fuse Puller





Mcase Unslotted Fuse Kit - 50pcs

Part Number
MCASE-KIT

Kit Contains
Mcase Unslotted Fuses;
MJC (10pcs): 15A, 20A, 25A
MJC (10pcs): 30A, 40A







Low Profile Jcase Fuse Kit - 25pcs

NEW

Part Number
LPJCASE-KIT25

Kit Contains
Low Profile Jcase Fuses;
LJC (4pcs): 20A, 25A, 30A
LJC (4pcs): 40A, 50A, 60A

Fuse Puller;
(1pc): 00970053



Fuse Puller





Jcase Fuse Kit - 15pcs

NEW

Part Number
JCASE-KIT15

Kit Contains
Jcase Fuses;
JTF (2pcs): 20A, 40A, 50A, 60A
JTF (4pcs):30A
JTF (1pcs): 70A, 80A

Fuse Puller;
(1pc): 00970053



Fuse Puller





Email: info@prolecproducts.com.au
Web: www.prolecproducts.com.au

FUSE ASSORTMENT KITS - MIDI, MEGA & BATTERY FUSE

Features:
- Genuine original equipment fuses.
- Clear plastic re-sealable container.
- Australian designed and kitted locally.
- Custom kits are also available upon request.
- Suit trade workshop, store or mobile van.
- Detailed product information on rear side.

Midi Fuse Kit - 20pcs

NEW

Part Number
MIDI-KIT2







Kit Contains
Midi Fuses;
MID (2pcs): 30A, 40A, 50A, 60A
MID (2pcs): 70A, 80A, 100A
MID (2pcs): 125A, 150A, 200A

Midi Fuse & Fuse Block Installer Kit - 51pcs

NEW

Part Number
MIDIPRO-KIT







Kit Contains
Midi Fuses;
MID (4pcs): 23A, 30A, 40A
MID (4pcs): 50A, 60A, 70A
MID (4pcs): 80A, 100A, 125A
MID (4pcs): 150A, 175A, 200A

Midi Fuse Blocks;
MIDFBB (2pcs): 125A Rated
0101499 (1pc): 200A Rated



MIDFBB



0101499

Mega Fuse Kit - 20pcs

NEW

Part Number
MEGA-KIT2







Kit Contains
Mega Fuses;
MEG (2pcs): 80A, 100A, 125A
MEG (2pcs): 150A, 175A, 200A
MEG (2pcs): 225A, 250A, 300A
MEG (2pcs): 500A

Battery Fuse Kit - 28pcs

UPDATED

Part Number
MRBF-KIT







Kit Contains
Marine Rated Battery Fuses;
MRBF (2pcs): 30A, 40A, 50A, 60A
MRBF (2pcs): 75A, 80A, 100A
MRBF (2pcs): 125A, 150A, 175A
MRBF (2pcs): 200A, 225A, 250A, 300A

MULTI FUSE ASSORTMENT KITS

Features:
- Genuine original equipment fuses.
- Designed and assembled locally.
- Custom kits are also available upon request.
- Contact Prolec for further information.

Blade Fuse Kit - 300pcs

NEW

Part Number
BLADE-KIT300

Kit Contains
Low Profile Mini Fuses;
LPM (10pcs): 7.5A, 10A, 15A, 20A, 25A, 30A

Mini Fuses;
MIN (20pcs): 7.5A, 10A, 15A, 20A, 25A, 30A

Auto Fuses;
ATF (20pcs): 5A, 10A, 15A, 20A, 25A, 30A


Low Profile Mini


Mini


Auto



Maxi, Jcase & Fuse Link Kit - 36pcs

NEW

Part Number
LINK-KIT36

Kit Contains
Maxi Blade Fuses;
MAX (2pcs): 20A, 30A, 40A
MAX (4pcs): 50A, 60A, 80A

Jcase Fuse Links;
JTF (2pcs): 30A

ASF Fuse Links;
ASF (2pcs): 30A, 60A
ASF (4pcs): 40A

BTF Fuse Links;
BTF (2pcs): 60A, 80A, 100A


Maxi


Jcase


ASF


BTF



Commercial & Fleet Fuse Kit - 50pcs

NEW

Part Number
CFA-KIT

Kit Contains
Mini (2pcs): 2A, 3A, 5A, 7.5A, 10A, 15A, 20A, 25A, 30A

Auto Fuses (2pcs): 5A, 7.5A, 10A, 15A, 20A, 25A, 30A

Maxi Fuses (2pcs): 20A, 25A, 30A, 40A, 50A

Midi Fuses (1pc): 30A, 100A, 125A, 150A, 175A, 200A

Mega Fuses (1pc): 150A, 250A

Bonus Fuse Pullers (1pc): Mini / Auto, (1pc): Maxi




Fuse Puller Mini / Auto


FusePuller Maxi


Mini


Auto


Maxi


Midi


Mega

Email: info@prolecproducts.com.au
Web: www.prolecproducts.com.au

FUSE ASSORTMENT CADDY 5 TRAY - 275PCS

Bussmann

Fuse caddies offer a full array of fuses for automotive repair facilities to meet your automotive fuse replacement needs. Each caddy is specially stocked to cover the majority of cars, light trucks, SUVs and RVs on the road today. Easy to transport with folding handle and security latch. Replacement trays & individual product refills can be ordered as required.



Features:
- The 5 kit capacity caddy contains 275 fuses in popular ratings.
- 4 x ten-cavity kits contain ATM, low-profile ATM, ATC and MAX fuses.
- 1 x five-cavity kits contains FMX fuses.

Part Number
FUSE-CADDY1

Dimensions in MM
188 (W) x 114 (D) x 198 (H)



ATM
Mini Fuses



ATM-LP
Low Profile Mini Fuses



ATC
Auto Fuses



MAX
Maxi Fuses



FMX
Jcase Fuses

FUSE ASSORTMENT CADDY 10 TRAY - 372PCS

Bussmann

Features:
- The 10 kit capacity caddy contains 372 fuses in popular ratings.
- 7 x kits contain an assortment of ATM, Low-Profile ATM, ATC, MAX, FMM, Low-Profile FMX, FLF, FLS, ATR, ATL Micro fuses.
- 3 x kits contain FMX, FLB, FLD, FLM, AMG & AMI fuses.
- Together, all ten kits meet virtually any automotive blade and high amp fuse replacement need.



Part Number
FUSE-CADDY2

Dimensions in mm
376 (W) x 114 (D) x 198 (H)



ATM
Mini Fuses



ATM-LP
Low Profile Mini Fuses



ATC
Auto Fuses



MAX
Maxi Fuses



ATR & ATL
Micro 2 & 3



FMM & FMX-LP
Mcase U/S, L.P.Jcase



FLF & FLS
Female Fusible Links



FMX
Jcase Fuses



FLB, FLD & FLM
Male Fusible Links



AMI & AMG
Midi & Mega Fuses

AUSTRALIAN AUTOMOTIVE AFTERMARKET ASSOCIATION

Winner of the Australian Auto Aftermarket Innovation Award for Most Innovative New Packaging.



Scan this QR Code for more information

QR Code: 3002

BLADE FUSE, FUSIBLE LINK & BLADED BREAKER PULLERS

PROLEC

Features
- Fuse pullers allow quick and easy removal of a fuse.
- They can also be used to replace a fuse.

Part Number	Extracts Various Fuse Types & Bladed Circuit Breakers
00358	Mini, Low Profile Mini, Auto, MaxiCompact Fuses
FP-7AM	Mini, Low Profile Mini & Auto Blade Fuses
00970025	Micro2 & Micro3 Blade Fuses
00970026	Maxi Blade Fuses (Previously # 097027)
00970054	Mcase Slotted & Unslotted Fusible Links
00970053	Jcase, Low Profile Jcase, Mini & Low Profile Mini Fuses
32013BS	Mini, Low Profile Mini Fuses & Mini Circuit Breakers

00358 (MTA)



FP-7AM (PEC)



Pack Size: 1, 10, 100

00970025 (Littelfuse)



00970026 (Littelfuse)



00970054 (Littelfuse)



00970053 (Littelfuse)



32013BS (Bussmann)



CARTRIDGE & AUTO BLADE FUSE PULLERS

Bussmann

Features
- Quick, safe and easy way to extract fuses.
- FP-A3 extracts both cartridge and auto blade fuses.

Part Number	Extracts Various Fuse Types
FP-A3	Cartridge 'AG' 6.35mm Dia. & Auto Fuse
FP-2	Cartridge 'AB' 10.3mm Diameter Fuse

Pack Size: 1, 10, 100



Auto Blade Fuse

FP-A3



AGC / SFE Cartridge Fuse

FP-2



5AB / Midget EV Cartridge Fuse

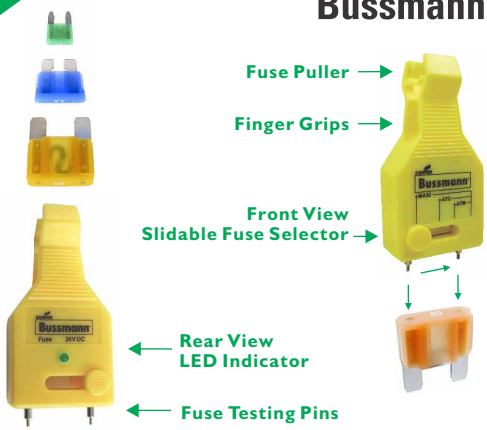
BLADE FUSE PULLER & FUSE TESTER

Bussmann

Features
- Combination fuse puller and fuse tester.
- Designed for easy one-handed use.
- Prevents fuse clip terminal & fuse holder damage.
- LED glows when fuse is good.
- Replaceable battery included.
- Tests Low Profile Mini, Mini, Auto, Maxi and various dimension Glass Cartridge Fuses.

Part Number	Extracts Various Fuse Types
FT-3	Low Profile Mini, Mini, Auto & Maxi

Voltage: 24VDC max.
Pack Size: 1, 10, 100
Notes: Do NOT test electrical fuses in the fuse panel.



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Circuit Breakers & Accessories

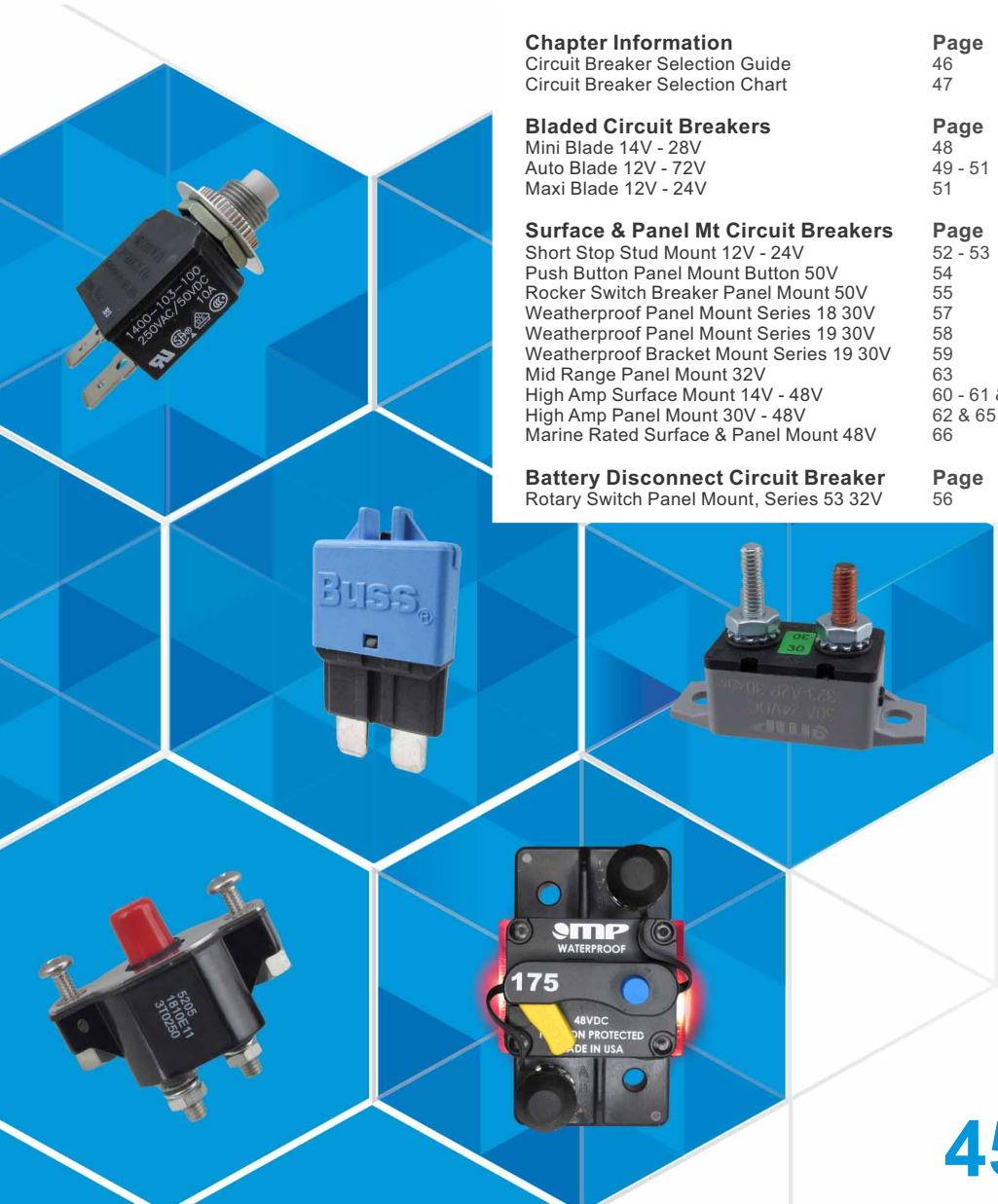
Innovation is where we begin.

Chapter Information	Page
Circuit Breaker Selection Guide	46
Circuit Breaker Selection Chart	47

Bladed Circuit Breakers	Page
Mini Blade 14V - 28V	48
Auto Blade 12V - 72V	49 - 51
Maxi Blade 12V - 24V	51

Surface & Panel Mt Circuit Breakers	Page
Short Stop Stud Mount 12V - 24V	52 - 53
Push Button Panel Mount Button 50V	54
Rocker Switch Breaker Panel Mount 50V	55
Weatherproof Panel Mount Series 18 30V	57
Weatherproof Panel Mount Series 19 30V	58
Weatherproof Bracket Mount Series 19 30V	59
Mid Range Panel Mount 32V	63
High Amp Surface Mount 14V - 48V	60 - 61 & 64
High Amp Panel Mount 30V - 48V	62 & 65
Marine Rated Surface & Panel Mount 48V	66

Battery Disconnect Circuit Breaker	Page
Rotary Switch Panel Mount, Series 53 32V	56



CIRCUIT BREAKER SELECTION GUIDE

Series & Type	Reset Action	Ampere Range	Voltage	I.R. at Voltage	Ignition Protect	IP Rating	Page No/.
211 - Mini Blade	Automatic	5A to 30A	14Vdc	150A to 450A at 14Vdc	-	-	48
212 - Mini Blade	Modified	5A to 30A	14Vdc	150A to 450A at 14Vdc	-	-	48
233 - Mini Blade	Manual	5A to 30A	28Vdc	100A to 300A at 28Vdc	-	-	48
227 - Auto Blade	Manual	5A to 30A	28Vdc	2kA at 28Vdc	Ign.Pro	-	49
435T -Auto Blade	Manual / PTT	250mA to 10A	72Vdc	2kA at 72Vdc	-	-	49
221 - Auto Blade	Automatic	5A to 30A	14Vdc	150A to 450A at 14Vdc	Ign.Pro	-	50
222 - Auto Blade	Modified	5A to 30A	14Vdc	150A to 450A at 14Vdc	Ign.Pro	-	50
AT1 - Auto Blade	Automatic	5A to 30A	28Vdc	2kA at 28Vdc	Ign. Pro	-	50
UCB - Auto Blade	Automatic	6A to 30A	12Vdc	TBA	-	-	51
191 - Maxi Blade	Automatic	8A to 50A	14Vdc	150A to 750A at 14Vdc	Ign.Pro	-	51
192 - Maxi Blade	Modified	8A to 40A	14Vdc	150A to 600A at 14Vdc	Ign.Pro	-	#
193 - Maxi Blade	Manual	8A to 50A	28Vdc	150A to 750A at 14Vdc	Ign.Pro	-	51
194 - Maxi Blade	Automatic	8A to 50A	28Vdc	150A to 750A at 14Vdc	Ign.Pro	-	51
195 - Maxi Blade	Modified	8A to 40A	28Vdc	150A to 600A at 14Vdc	Ign.Pro	-	#
321 - Stud Mt.	Automatic	3A to 50A	12Vdc	2.5kA at 12Vdc	Ign.Pro*	IP66 ^	53
323 - Stud Mt.	Manual	3A to 50A	24Vdc	2.5kA at 12Vdc	Ign.Pro*	IP66 ^	53
121 - Stud Mt.	Automatic	5A to 50A	14Vdc	1.5kA - 2.5kA at 12Vdc*	Ign.Pro*	IP66 ^	52
122 - Stud Mt.	Modified	5A to 50A	14Vdc	1.5kA - 2.5kA at 12Vdc*	Ign.Pro*	-	#
123 - Stud Mt.	Manual	5A to 50A	28Vdc	1.5kA - 2.5kA at 12Vdc*	Ign.Pro*	IP66	52
124 - Stud Mt.	Automatic	5A to 50A	28Vdc	1.5kA - 2.5kA at 12Vdc*	Ign.Pro*	IP66 ^	#
125 - Stud Mt.	Modified	5A to 50A	28Vdc	1.5kA - 2.5kA at 12Vdc*	Ign.Pro*	-	#
14 - Panel Mt.	Manual	3A to 20A	50Vdc	1kA at 50Vdc, 3kA at 32Vdc	Ign.Pro	-	54
15 - Panel Mt.	Manual	3A to 40A	50Vdc	1kA at 50Vdc	Ign.Pro	-	54
16 - Panel Mt.	Manual	500mA to 70A	50Vdc	1kA at 50Vdc, 3kA at 32Vdc	Ign.Pro	-	#
24 - Panel Mt.	Manual / PTT	100mA to 30A	50Vdc	TBA	-	IP54*	55
53 - Panel Mt.	Manual / PTT	10A to 70A	32Vdc	3kA at 14Vdc	Ign.Pro	IP67	56
1801 - Panel Mt.	Automatic	5A to 40A	32Vdc	3kA at 32Vdc	Ign.Pro	IP66	#
1811 - Panel Mt.	Automatic	10A to 70A	32Vdc	5kA at 32Vdc	Ign.Pro	IP66	#
1800 - Panel Mt.	Manual	5A to 40A	32Vdc	3kA at 32Vdc	Ign.Pro	IP66	57
1810 - Panel Mt.	Manual	10A to 70A	32Vdc	5kA at 32Vdc	Ign.Pro	IP66	57
19A - Panel Mt.	Automatic	25A to 200A	30Vdc	2.5kA at 30Vdc	Ign.Pro	IP69K	58
19M - Panel Mt.	Manual	25A to 200A	30Vdc	2.5kA at 14Vdc*	Ign.Pro	IP69K	58
251 - Panel Mt.	Automatic	10A to 50A	32Vdc	2.5kA at 32Vdc	Ign.Pro	IP66	63
255 - Panel Mt.	Manual / PTT	10A to 50A	32Vdc	2.5kA at 32Vdc	Ign.Pro	IP66	63
171 - Panel Mt.	Automatic	25A to 200A	48Vdc*	3kA at 30Vdc*	Ign.Pro	IP67	62
171 - Surface Mt.	Automatic	25A to 200A	48Vdc*	3kA at 30Vdc*	Ign.Pro	IP67	60
171 - Panel Mt.	Automatic	225A to 300A	12Vdc	2.5kA at 14Vdc	Ign.Pro	IP67	62
171 - Surface Mt.	Automatic	225A to 300A	12Vdc	2.5kA at 14Vdc	Ign.Pro	IP67	60
175 - Panel Mt.	Manual / PTT	25A to 200A	48Vdc*	3kA at 30Vdc*	Ign.Pro	IP67	62
175 - Surface Mt.	Manual / PTT	25A to 200A	48Vdc*	3kA at 30Vdc*	Ign.Pro	IP67	60-61
174 - Panel Mt.	Manual	225A to 250A	12Vdc	1.5kA at 14Vdc	Ign.Pro	IP67	62
174 - Surface Mt.	Manual	225A to 250A	12Vdc	1.5kA at 14Vdc	Ign.Pro	IP67	60-61
875-Smd & Pnl Mt	Manual	25A to 250A	48Vdc	5kA at 14Vdc	Ign.Pro	IP67	66
181 - Panel Mt.	Automatic	25A to 150A	30Vdc	3kA at 30Vdc	Ign.Pro	IP67	#
181 - Surface Mt	Manual	25A to 150A	30Vdc	3kA at 30Vdc	Ign.Pro	IP67	64
184-Smd & Pnl Mt	Manual	25A to 150A	42Vdc	3kA at 30Vdc*	Ign.Pro	IP67	#
185 - Panel Mt.	Manual / PTT	25A to 150A	42Vdc	3kA at 30Vdc*	Ign.Pro	IP67	#
185 - Surface Mt.	Manual / PTT	25A to 150A	42Vdc	3kA at 30Vdc*	Ign.Pro	IP67	#
285 - Panel Mt.	Manual / PTT	25A to 150A	48Vdc	3kA at 48Vdc	Ign.Pro	IP67	65
285 - Surface Mt.	Manual / PTT	25A to 150A	48Vdc	3kA at 48Vdc	Ign.Pro	IP67	64
187 - Panel Mt.	Manual / PTT	25A to 200A	48Vdc*	5kA at 14Vdc*	Ign.Pro	IP66	66
187 - Surface Mt.	Manual / PTT	25A to 200A	48Vdc*	5kA at 14Vdc*	Ign.Pro	IP66	66

Contact sales for (#) product details.
(*) verification.
(^)Plastic cover only.

ABYC Definition of Ignition Protection (Ign.Pro) E11.4.15.
The design and construction of a device such that under design operating conditions:
(a) It will not ignite a flammable hydrocarbon mixture surrounding the device when an ignition source causes an internal explosion, or (b) It is incapable of releasing sufficient electrical or thermal energy to ignite a hydrocarbon mixture, or (c) The source of ignition is hermetically sealed.

What does this mean? Ignition Protected devices are designed to prevent the release of electrical or thermal energy (ie. sparks or heat) which could start a fire when operating in environments containing a mixture of air with gasoline, propane or CNG vapour. So when replacing or installing electrical equipment in these environments, make sure the product is specifically designated "Ignition Protected". As you can see in the above table, there are very few fuses that will meet this requirement, however we have a large range of circuit breakers that are Ignition Protected.

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CIRCUIT BREAKER SELECTION CHART

With an ever growing product range sometimes it can be hard to describe which circuit breaker you need. So the following visual identification chart can help you identify some of the more common styles available. For a more comprehensive range please refer to the website www.prolecproducts.com which showcases over 300 different product images.

1 **Fuse Clip Cartridge CBF**
AGC Replacement Type II
(Contact sales)



2 **Low Profile Mini**
Type III
(Contact sales)



3 **Mini Blade**
Type I, II & III
(Page 48)



4 **Auto Blade Snap Blade**
Type I
(Page 51)



5 **Auto Blade**
Low Profile Type I
(Page 50)



6 **Auto Blade**
Type I & II
(Page 50)



7 **Auto Blade**
Type III
(Page 49)



8 **Auto Blade**
Type III PTT
(Page 49)



9 **Maxi Blade**
Type I & III
(Page 51)



10 **Short Stop**
Type I & III
(Pages 52-53)



11 **Push Button 3A-40A**
Type III
(Page 54)



12 **Push Button 0.5A-70A**
Type III
(Contact Sales)



13 **Rocker Style Panel**
Type III PTT
(Page 55)



14 **Rotary Style Panel**
Type III PTT
(Page 56)



15 **Series 18**
Type I & III
(Page 57)



16 **Series 19**
Type I & III
(Page 58)



17 **Series 19 With Bracket**
Type I & III
(Page 59)



18 **Hi Amp Surface**
Type I & III PTT
(Pages 60 & 64)



19 **Hi Amp Surface SxS**
Type III PTT
(Page 61)



20 **Mid Range Panel**
Type I & III PTT
(Page 63)



21 **Hi Amp Panel**
Type I & III PTT
(Page 62 & 65)



22 **Marine Rated**
Type III Switchable
(Page 66)



CIRCUIT BREAKERS - MINI BLADE 14V

Bussmann

14VDC Automatic TI Part Number	14VDC Modified TII Part Number	Ampere Rating
21105-00	21205-00	5A
21175-00	21275-00	7.5A
21110-00	21210-00	10A
21115-00	21215-00	15A
21120-00	21220-00	20A
21125-00	21225-00	25A
21130-00	21230-00	30A

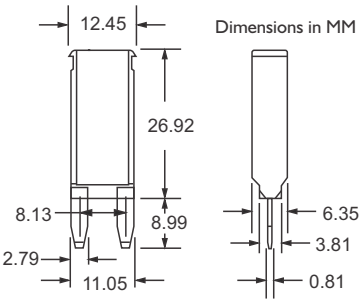


Automatic TI



Modified TII

Voltage: 14VDC
I. R.: 150A at 14VDC (5A to 10A)
225A at 14VDC (15A)
300A at 14VDC (20A)
450A at 14VDC (25A to 30A)
Operating Temp: -40°C to 85°C
Storage Temp: -40°C to 125°C
Pack Size: 1, 10, 100pcs
Approvals: SAE J553 RoHS



RELATED PRODUCTS



Mini Breaker Puller (see p.44)



Inline Holder (see p.77)

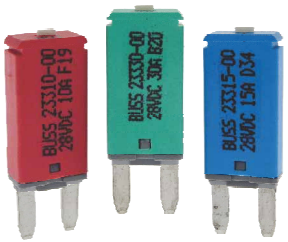


PDM (see p.120 - 146)

CIRCUIT BREAKERS - MINI BLADE 28V

Bussmann

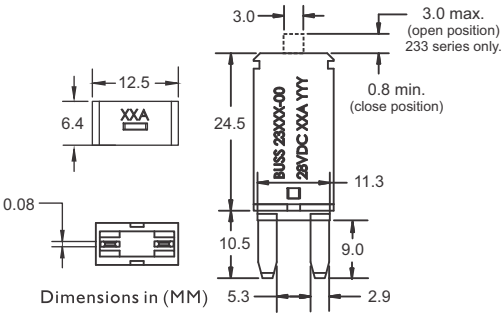
Features:
- Cover is colour coded to amperage ratings.
- Matches Mini fuse footprint, 2.8mm wide blades.
- Manual reset button on top face.



Manual TIII

28VDC Manual TIII Part Number	Ampere Rating	Body Colour
23305-00	5A	Tan
23375-00	7.5A	Brown
23310-00	10A	Red
23315-00	15A	Blue
23320-00	20A	Yellow
23325-00	25A	White
23330-00	30A	Green

Voltage: 28VDC
I. R.: 100A at 28VDC (5A to 10A)
150A at 28VDC (15A)
200A at 28VDC (20A)
300A at 28VDC (25A to 30A)
Operating Temp: -40°C to 85°C
Storage Temp: -40°C to 125°C
Pack Size: 1, 10, 100pcs
Approvals: SAE J553



RELATED PRODUCTS:



Inline Holder (see p.77)



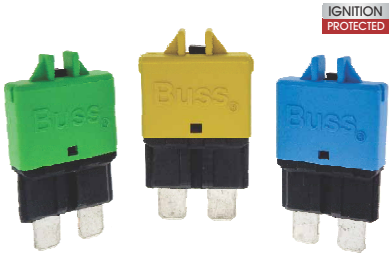
PDM (see p.120 - 146)

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CIRCUIT BREAKERS - AUTO BLADE L.P 28V

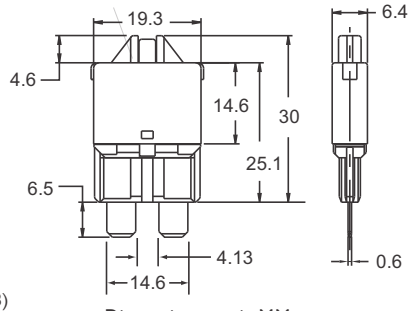
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Features:
- Low profile design.
- Ignition Protected.
- Colour coded body matches amperage ratings.
- Matches auto fuse footprint of 5.2mm wide blades making it compatible with existing auto fuse fuse blocks and panels.
- Manual reset button with protective walls.



28VDC

Manual TIII Part Number	Ampere Rating	Body Colour
22705-00	5A	Tan
22706-00	6A	Green
22775-00	7.5A	Brown
22710-00	10A	Red
22715-00	15A	Blue
22720-00	20A	Yellow
22725-00	25A	White
22730-00	30A	Green



Dimensions are in MM

Voltage: 28VDC **I.R.:** 2000A @ 28VDC
Reset Mechanism: Type III, Manual Reset.
Body: UL-Rated 94V-0 thermoplastic.
Terminals: Tin plated copper alloy.
Operating Temp: -40°C to 85 °C
Storage Temp: -40°C to 125°C
Pack Size: 1, 10, 100, 250
Holders: Inline, Blocks, Panels & Fused terminal blocks (Page 148)
Approvals: SAE J553, J1171.

CIRCUIT BREAKERS - AUTO BLADE 72V

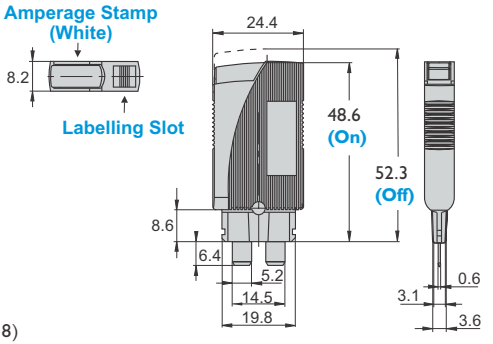
MORSETTITALIA

Features:
- Low to middle amperages.
- Suitable for both AC and DC Voltage.
- Manual push on push off button.
- Reliable snap-acting and trip-free mechanism.
- Labeling feature. Equivalent to E-T-A 1180



72VDC

Manual TIII - PTT Part Number	Ampere Rating
435T0025	250mA
435T0050	500mA
435T0100	1A
435T0200	2A
435T0300	3A
435T0400	4A
435T0600	6A
435T0800	8A
435T1000	10A



Dimensions are in MM

Voltage: 250VAC / 72VDC (UL & CSA),
250VAC / 65VDC (VDE)
I.R.: 2000A @ rated voltage (UL)
Reset Mechanism: Type III, Manual Reset / Manual Trip
Typical life: 6,000 operations at 1 x In (low-inductance)
3,000 operations at 1 x In (inductive)
500 operations at 2 x In (inductive)
Operating Temp: -20°C to 60 °C
Pack Size: Stock lines 1pc, indent items 20pcs.
Holders: DIN rail mount fused terminal blocks (Page 148)
Approvals: CBE standard EN/IEC 60934

CIRCUIT BREAKERS - AUTO BLADE TYPE

Bussmann

IGNITION PROTECTED

12VDC Automatic TI Part Number	12VDC Modified TII Part Number	Ampere Rating
22105-400	22205-400	5A
22175-400	22275-400	7.5A
22110-400	22210-400	10A
22115-400	22215-400	15A
22120-400	22220-400	20A
22125-400	22225-400	25A
22130-400	22230-400	30A

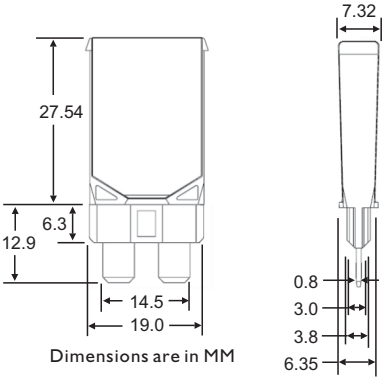


Automatic TI



Modified TII

Voltage: 14VDC
I. R.: 150A at 14VDC (5A to 10A)
225A at 14VDC (15A)
300A at 14VDC (20A)
450A at 14VDC (25A to 30A)
Operating Temp: -40°C to 85°C
Storage Temp: -40°C to 125°C
Material: UL 94-V0 Thermoplastic housing.
Type I (Gold Metal Cover),
Type II (Silver Metal Cover)
Features: Ignition Protected
Pack Size: Stocked lines 1, Indent items 250pcs.
Approvals: SAE J553, J1171



Dimensions are in MM

RELATED PRODUCTS:



PCB Clips (see p.68)



Inline Holders (see p.77)



Fuse Panels (see p.87 & 92)

CIRCUIT BREAKERS - AUTO BLADE LOW PROFILE

PROLEC

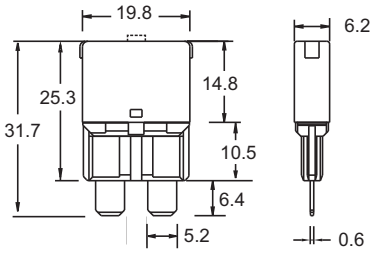
NEW

IGNITION PROTECTED

12-24VDC Automatic TI Part Number	12-24VDC Manual TIII Part Number	Ampere Rating	Body Colour
AT1-005	AT3B-005	5A	Tan
AT1-075	AT3B-075	7.5A	Brown
AT1-010	AT3B-010	10A	Red
AT1-015	AT3B-015	15A	Blue
AT1-020	AT3B-020	20A	Yellow
AT1-025	AT3B-025	25A	White
AT1-030	AT3B-030	30A	Green



Voltage: 12-24VDC
I. R.: 2000A at 28VDC
Operating Temp: -30°C to 75°C
Storage Temp: -30°C to 105°C
Material: UL 94-V0 Thermoplastic housing.
Features: Ignition Protected. Low Profile Housing
Pack Size: 1, 10, 100, 250pcs.
Compliance: SAE J553, J1171



Dimensions are in MM

RELATED PRODUCTS:



PCB Clips (see p.68)



Inline Holders (see p.77)



Fuse Panels (see p.90)



Fuse Blocks (see p.92)

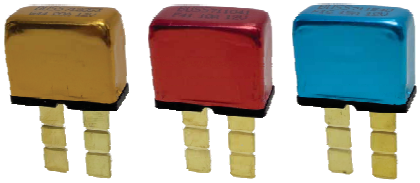
PROLEC

Email: info@prolecproducts.com.au
Web: www.prolecproducts.com.au

CIRCUIT BREAKERS - AUTO BLADE TYPE

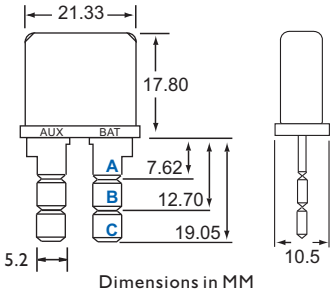
Bussmann

Features:
- Use in place of the ATO and ATC type fuses.
- Colour coded cover to match amperage ratings.
- UCB breakers feature "snap-off" universal blades to fit tight fuse block spacing or recessed fuse terminals.



12VDC

Automatic TI Part Number	Ampere Rating	Body Colour
UCB-6	6A	Plain
UCB-8	8A	Brown
UCB-10	10A	Red
UCB-15	15A	Blue
UCB-20	20A	Yellow
UCB-25	25A	Plain
UCB-30	30A	Green



Dimensions in MM

Voltage: 12VDC
Reset Mechanism: Type I, Automatic Reset
Termination: Auto fuse footprint. Brass.
Pack Size: 1, 5, 10, 100, 250
Approvals: SAE J553

CIRCUIT BREAKERS - MAXI BLADE TYPE

Bussmann

IGNITION PROTECTED

12VDC Automatic TI Part Number	24VDC Automatic TI Part Number	12 / 24VDC Manual TIII Part Number	Ampere Rating
19108-01M	19408-01M	19308-01M	8A
19110-01M	19410-01M	19310-01M	10A
19115-01M	19415-01M	19315-01M	15A
19120-01M	19420-01M	19320-01M	20A
19125-01M	19425-01M	19325-01M	25A
19130-01M	19430-01M	19330-01M	30A
19135-01M	19435-01M	19335-01M	35A
19140-01M	19440-01M	19340-01M	40A
19150-01M	19450-01M	19350-01M	50A

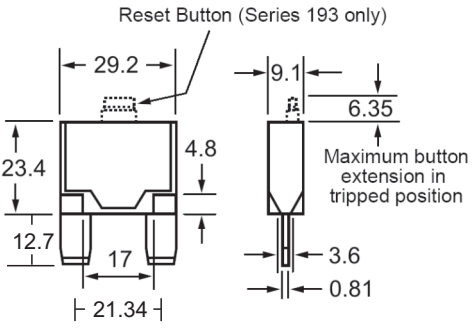


Automatic TI (No Button)



Manual TIII (With Reset Button)

Voltage: 14VDC (191 & 193 series)
28VDC (193 & 194 series)
I. R.: 150A at 14VDC (8A to 10A), 225A at 14VDC (15A)
300A at 14VDC (20A), 450A at 14VDC (25A to 30A)
600A at 14VDC (35A to 40A), 750A at 14VDC (50A)
Operating Temp: -40°C to 85°C
Storage Temp: -40°C to 125°C
Features: Ignition Protected
Pack Size: Stock lines 1pc, indent items 250pcs
Termination Notes: Also available with auto blade terminals. Contact sales for further information.
Notes: Metal cover aids heat dissipation.
Option: Manual reset button available in two colour choices. Part Number suffix -1 (Black) and -2 (White).
Approvals: SAE J553, J1171



Blade Width 12.7

Dimensions are in MM

RELATED PRODUCTS:



Power Dist. Modules
(see p.138)



Covers and Brackets
(see p.140)

Applications include battery chargers, 4x4's, caravans, RV's, trucks, buses, trolling motors, etc.

IGNITION PROTECTED

IP66*









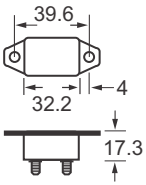
12VDC Automatic TI Plastic Cover Parallel Bracket	12VDC - 24VDC Manual TIII Plastic Cover Parallel Bracket	12VDC Automatic TI Metal Cover Parallel Bracket	12VDC Automatic TI Metal Cover Cross Bracket	Ampere
Part Number	Part Number	Part Number	Part Number	Rating
121A05-B2P	123A05-B2P	121A05-B2M	121A05-A2M	5A
121A08-B2P	123A08-B2P	121A08-B2M	121A08-A2M	8A
121A10-B2P	123A10-B2P	121A10-B2M	121A10-A2M	10A
121A15-B2P	123A15-B2P	121A15-B2M	121A15-A2M	15A
121A20-B2P	123A20-B2P	121A20-B2M	121A20-A2M	20A
121A25-B2P	123A25-B2P	121A25-B2M	121A25-A2M	25A
121A30-B2P	123A30-B2P	121A30-B2M	121A30-A2M	30A
121A35-B2P	123A35-B2P	121A35-B2M	121A35-A2M	35A
121A40-B2P	123A40-B2P	121A40-B2M	121A40-A2M	40A
121A50-B2P	123A50-B2P	121A50-B2M	121A50-A2M	50A

Voltage: 14VDC (121 Series), 28VDC (123 & 124 series)
I.R.: 2.5kA @ 12VDC (Branch circuit protection). Contact sales for further info.
Operating Temperature: -40°C to 85°C. **Storage Temp.** -40°C to 125°C
Features: Ignition Protected
Ingress Protection Rating: IP66* (Plastic cover only, except terminals).
Mounting Hole: Bracket mounting holes 4.98 mm diameter.
Pack Size: Stock lines 1pc, indent items 250pcs.
Notes: Keps lock nuts included with circuit breakers.
Approvals: SAE J553, J1171

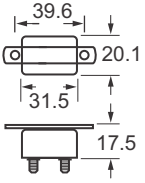
Terminal Specs:
2 x #10-32 studs



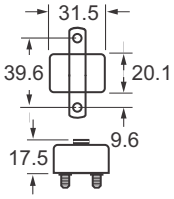
Plastic Cover Parallel Bracket



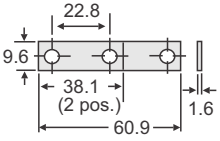
Metal Cover Parallel Bracket



Metal Cover Cross Bracket



Connect the short stud to battery (+), connect the long stud to auxiliary circuit(s).



(2-3 position shown.)
Hole Slot 5.08 x 7.36mm

RELATED PRODUCTS:

Part Number	Description
CBBP	Clear Cover Parallel TIII ☐
CBBR	Red Terminal Boot PVC ■
CBBB2	Busbar 2 Position Brass Tin
CBBB3	Busbar 3 Position Brass Tin
CBBB4	Busbar 4 Position Brass Tin
CBBB5	Busbar 5 Position Brass Tin
CBBB6	Busbar 6 Position Brass Tin
CBBB8	Busbar 8 Position Brass Tin

Clear Cover



Terminal Boot



Push button to reset





Busbars





Notes: CBBP covers are IP64 water resistant. They protect the manual reset circuit breaker button against dust and water. The CBBR PVC boots protect terminal connections from accidental shorts. Use to comply with ABYC E-9, USCG 33pl & ISO 10133. Fits breakers with or without brackets. Both TI & TIII. Cable entry 18-10AWG. Busbars suitable for breakers fitted with a parallel bracket or without bracket.

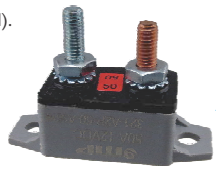
PROLEC
Email: info@prolecproducts.com.au
Web: www.prolecproducts.com.au

CIRCUIT BREAKERS - SERIES 32 COLOUR CODED

Mechanical Products

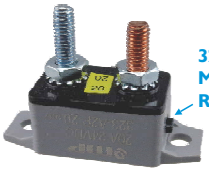
Features:
- Three mounting styles: Parallel mounting bracket, cross bracket or no bracket.
- Three reset options: automatic (TI), modified reset (TII) and manual reset (TIII).
- Single pole thermal circuit breakers are available in ratings 5 to 50 Amps.
- Laser etched brand, part number, amperage, voltage and batch code.
- Includes colour coded amperage stamped sticker.

IP64* IP66* NEW IGNITION PROTECTED



321 Type I Automatic Reset

NEW



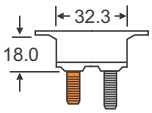
323 Type III Manual Reset Reset Button

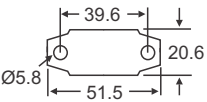


Splash Proof Manual Reset Circuit Breaker Kit CBK-(amp) Includes Circuit Breaker, Boot & Cover

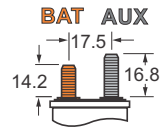
12VDC Automatic TI Parallel Brkt Part Number	12-24VDC Manual TIII Parallel Brkt Part Number	12-24VDC Manual TIII Splash Proof Kit Part Number	Colour Code Ampere Rating
321-A2P-05	323-A2P-05	CB3K-05	5A
321-A2P-10	323-A2P-10	CB3K-10	10A
321-A2P-15	323-A2P-15	CB3K-15	15A
321-A2P-20	323-A2P-20	CB3K-20	20A
321-A2P-25	323-A2P-25	CB3K-25	25A
321-A2P-30	323-A2P-30	CB3K-30	30A
321-A2P-35	323-A2P-35	CB3K-35	35A
321-A2P-40	323-A2P-40	CB3K-40	40A
321-A2P-50	323-A2P-50	CB3K-50	50A

Voltage: 12VDC (Type I), 12-24VDC (Type III).
I.R.: 2.5kA @ 12VDC.
Operating Temp: -10°C to 60°C
Body Type: Plastic. Metal body Optional.
Features: Ignition Protected
IP Rating Automatic Reset: IP66* (Except terminations).
IP Rating Manual Reset: IP64* Cover & Boot Fitted (Except terminations).
CB3K Kit Includes: Manual reset Type III, plastic body parallel bracket circuit breaker, clear cover & red terminal boot in a retail clamshell package.
Reset Overload Capacity: 6 x rated current.
Pack Size: Stock lines 1pc. Indent items 500pcs.
Hardware: Keps lock nuts included.
Approvals: *SAE* J553, J1171 RoHS
Extended Product Options: Indent Only.



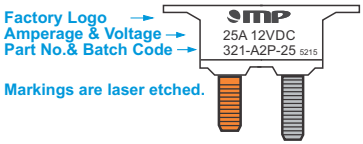


Parallel Bracket



Dimensions in MM

Terminal Specs
2 x #10-32 studs



Connect the short stud to battery (+).
Connect the long stud to auxiliary circuit(s).

FACTORY PRODUCT OPTIONS AND PART NUMBER MATRIX.

Reset Type	Mounting Options	Body Type Options
321 (TI, 12VDC)	32x-A0 (No Bracket)	32x-AxM (Metal TI & TII)
322 (TII 12VDC)	32x-A1 (Cross Bracket)	32x-AxP (Plastic TI & TIII)
323 (TIII 24VDC)	32x-A2 (Parallel Bracket)	32x-AxS (Metal Sealed TI & TII)

RELATED PRODUCTS:

Part Number	Description
CBBP	Clear Cover Parallel TIII
CBBR	Red Terminal Boot PVC
CBBB2	Busbar 2 Position Brass Tin
CBBB3	Busbar 3 Position Brass Tin
CBBB4	Busbar 4 Position Brass Tin
CBBB5	Busbar 5 Position Brass Tin
CBBB6	Busbar 6 Position Brass Tin
CBBB8	Busbar 8 Position Brass Tin

Clear Cover IP64 Rated



Clear Cover Fitted Manual Reset Button



Red Terminal Boot
Protects connections from accidental shorts

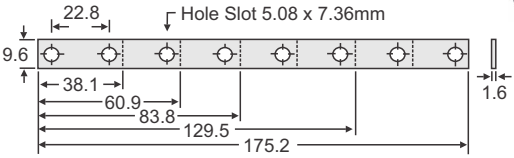


Red Terminal Boot Fitted



Busbars
Common power for multiple breakers







Mechanical Products

IGNITION PROTECTED

IP67*

Features:
- Miniature size panel mount or dash mount. Snap mount also available upon request.
- Wide range of common amperages 3A-40A suitable for both AC & DC voltages.
- Custom versions with alternative termination, mounting, button and reset options are also available.

3/8"-27 Bushing 1/4" QC Straight Terminal (TIII) Part Number	3/8"-27 Bushing # Screw - Bent 90° Terminal (TIII) Part Number	7/16"-28 Bushing 1/4" QC Straight Terminal (TIII) Part Number	Ampere Rating
1480-103-030	1480-123-030	1400-103-030	3A
1480-103-040	1480-123-040	1400-103-040	4A
1480-103-050	1480-123-050	1400-103-050	5A
1480-103-060	1480-123-060	1400-103-060	6A
1480-103-070	1480-123-070	1400-103-070	7A
1480-103-080	1480-123-080	1400-103-080	8A
1480-103-100	1480-123-100	1400-103-100	10A
1480-103-120	1480-123-120	1400-103-120	12A
1480-103-150	1480-123-150	1400-103-150	15A
1480-103-160	1480-123-160	1400-103-160	16A
1480-103-200	1480-123-200	1400-103-200	20A
1580-101-250	1580-131-250	1500-101-250	25A
1580-101-300	1580-131-300	1500-101-300	30A
1580-101-350	1580-131-350	1500-101-350	35A
1580-101-400	1580-131-400	1500-101-400	40A

1/4" Quick Connect Straight Terminal



#6-32 & #8-32 Screw Bent 90° Terminal



Weatherproof Boot Options*

Part Number	Description
1680-318-1	3/8"-27 Clear
1680-330-1	3/8"-27 Black
1600-382-1	7/16"-28 Clear
1600-382-2	7/16"-28 Black

Clear Magnified



Black



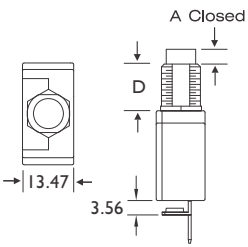
Rear



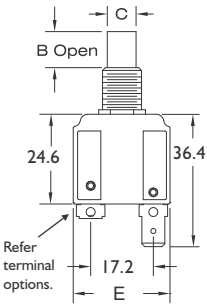
Front



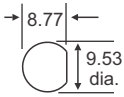
Voltage: 250VAC / 50VDC.
I.R.: 1kA at 250VAC / 50VDC.
Reset Mechanism: Type III, Manual Reset.
Button: White button with black ampere rating stamp.
Mounting: Panel mount - includes Pal nut & Knurl nut.
Terminals (Quick Connect): 3A-40A (6.3mm).
Terminals (Screw): 3A-20A (#6-32), 25A-40A (#8- 32). Screw terminals include screws & lock washers.
Features: Ignition Protected UL 1500.
Optional: Ampere ratings (500mA-2.5A & 45A-70A).
Pack Size: Stock lines 1pc, Indent items 50pcs.
Approvals: RoHS
(3A & 4A at 250VAC / 50VDC)
(5A to 20A at 250VAC / 50VDC)
(25A to 40A at 250VAC / 50VDC)



Series	Dim. 'E'
1400 & 1480	26.7mm
1500 & 1580	29.2mm

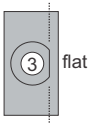


Panel Cutout 3/8"-27 Bushing

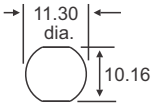


3/8"-27

Reset Button W/Amp Stamp

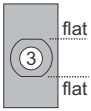


Panel Cutout 7/16"-28 Bushing



7/16"-28

Reset Button W/Amp Stamp



Dimensions in MM

Bushing	A	B	C	D
3/8"-27	0.76	6.10	6.10	10.3
7/16"-28	4.07	8.64	7.63	12.8

RELATED PRODUCTS:

Breaker Panels
Unpopulated 12 position breaker panels see page 173.



Hardware Options


Knurl Nut Sml Aluminum


Knurl Nut Lrg Black Nylon



Name Plate Aluminum


Pal Nut Aluminum

Scan this QR Code for more information

QR Code: 10001

PROLEC
Email: info@prolecproducts.com.au
Web: www.prolecproducts.com.au

CIRCUIT BREAKERS - SERIES 24 ROCKER

Mechanical Products

IGNITION PROTECTED IP54*

Features:

- Rocker style, switchable circuit breaker offering trip-free protection.
- It operates as a latched mechanism in which the switch function (Power On / Off) is independent of the trip function (Overload Protection). The latch mechanism is extremely simple in design providing reliable operation and provides the convenience of a switch and circuit breaker in one device. Fewer components means less space and therefore a more compact equipment design. UL 1500 Ignition Protection.
- Designed for use in compact, snap-in panel mount applications. Amperage range 100mA to 30A.

Custom Ordering Options:

- As a switch, circuit breaker or combined switch / breaker. One or two pole device.
- Switch guard options; (a) standard rocker, (b) rocker + splash guard, (c) standard rocker + actuator guard,(d) rocker with splash and actuator guard.
- With a variety of switch markings & colours, green, red, amber & white translucent actuators for both lit and unlit applications, as well as unlit black. With or without illumination (incandescent or neon).
- Quick connect or screw terminations.
- Two panel cut-out sizes; 50.5 x 21.6mm (Standard), 44.5 x 21.6mm (Optional).
- Complete range of ampere ratings also available upon request; 100mA, 200mA, 300mA, 400mA, 500mA, 600mA, 800mA, 1A, 1.25A, 1.5A, 2A, 2.5A, 3A, 3.5A, 4A, 4.5A, 5A, 6A, 7A, 8A, 10A, 12A, 14A, 15A, 16A, 18A, 20A, 25A, 30A.

Single Pole Breaker 50VDC (TIII-PTT)
Black Switch (I/O marking)

Part Number	Ampere Rating
2410-100-159-050	5A
2410-100-159-100	10A
2410-100-159-150	15A
2410-100-159-200	20A
2410-100-159-250	25A
2410-100-159-300	30A

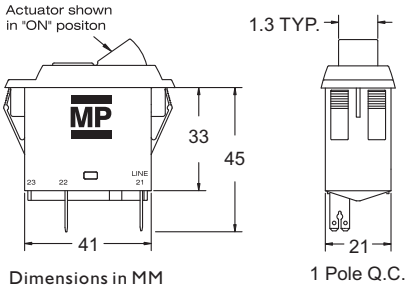


Single Pole Breaker 10-14VDC (TIII-PTT)
Red Illuminated Switch* (no marking)

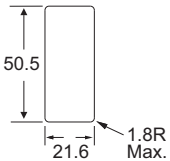
Part Number	Ampere Rating
2410-102-120-050	5A
2410-102-120-100	10A
2410-102-120-150	15A
2410-102-120-200	20A
2410-102-120-250	25A
2410-102-120-300	30A



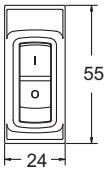
Voltage: 250VAC / 50VDC Max.
Short Circuit Rating (IEC): 2.5A to 20A: 150A (1 pole).
Reset Mechanism: Type III, Manual Reset Switchable
Dielectric Strength: 2000V (IEC)
Terminals (Combination): 2 x 2.8mm or 6.3mm Q.C.
Operating Temp: -30°C to 60°C
Ingress Protection*: IPxx Ratings
IP00 for the terminal area, per IEC 529/DIN 40050.
IP40 for the operating area.
IP54 with splash protection.
Pack Size: Stocked items 1pc.
Notes: *Red illuminated switch features an incandescent light which requires 10 to 14VDC to operate.
Lamp current draw is 38mA at 12VDC.
Approvals: UL 1077 recognised, certified (0.5A to 20A), IEC (0.5A to 20A), (0.5A to 20A)



Panel Cutout
Fits panels up to 5.3mm thick



Front Face





NEW

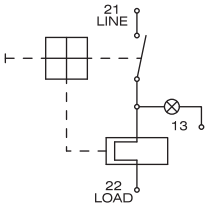
Hole Plug Blank Switch
P/N: 24HP2151

RELATED PRODUCTS:

Switch Breaker Panels
Custom made & standard 4, 6 & 8 way switch breaker panels see page 175.



Circuit Diagram
1 Pole Switch / Breaker with Optional Illumination



BATTERY DISCONNECT CIRCUIT BREAKER SERIES 53

IGNITION PROTECTED NEW
PATENT PENDING IP67

The Series 53 Branch Disconnect / Circuit Breaker incorporates into a single device both traditional battery disconnect switching (non-engine) and circuit protection. This unique combination of features in a single rotary switch allows OEM cost savings by eliminating the added components, material and labour of a separate battery switch and circuit breaker / fuse. For the end user or maintenance personnel, the Series 53 provides a quick means to disconnect traditional downstream circuit(s) while preventing unintentional battery drain or allowing for disconnected battery power during storage and/or maintenance.



533 Series
Panel Mount

Features

- One piece terminal stud design never loosens over time.
- 3 Mounting options. Front panel, rear panel & surface mount.
- Ignition protected and weatherproof (IP66 & IP67).
- Designed and manufactured in USA.

MADE IN THE USA

INNOVATION AWARDS

Part Number	Ampere Rating
533-P0-010	10A
533-P0-015	15A
533-P0-020	20A
533-P0-030	30A
533-P0-035	35A
533-P0-040	40A
533-P0-045	45A
533-P0-050	50A
533-P0-060	60A
533-P0-070	70A
530-320-2	Standoff NEW



530-320-2
(With Inserts)



533 Series With Standoff
Surface Mount



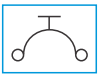
Voltage: 32VDC.
I.R. Per SAE J553 & UL1077* (U3) at 14 & 28VDC,
1.5kA @ 14VDC per ABYC (SAE J553 & UL1077* U3), 3kA @ 14VDC.
Operating Temperature: -40°C to 85°C
Mounting Options (3): Rear & Front panel mount. Surface mount with standoff.
Mounting eyelet hole size #10 with #8-32 nuts pre-installed.
Ingress Protection Rating: IP66 / IP67. (IEC 60529).
Ignition Protection: ISO 8846*, USCG, ABYC, UL1500* and SAE J1171
Dielectric Strength: 2000VAC minimum UL1107. **Housing:** Thermoplastic.
Shock, Vibration, Corrosion: MIL-STD-202, UL1077*, UL1107*
Endurance: Per SAE J553 (100 overload trip cycles at 400% of rated current at 28VDC).
Min / Max Ultimate Trip: Must Hold 100% of rated current at 25°C/77°F. Must Trip at 135% of rated current within 1 hour. Unique / specific higher ambient calibrations are also available.
Inrush Capacity: The Series 53 will not trip at 35X rated capacity for ½ cycle (0.008 sec.).
Note: This product is not rated for an engine starter circuit. *Tested per methods of standard.
Approvals: UL 1077, SAE J553, ABYC, CE

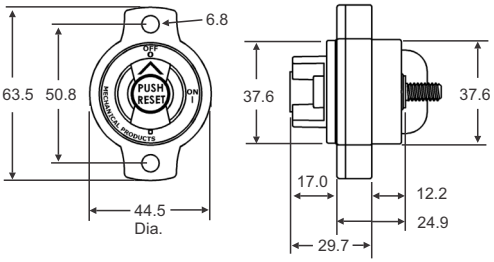


Rear Panel Mount

Series 53 Disconnect Function

Switch ON, Continuity - Breaker is active and circuit is active.
Switch ON, NO Continuity - Breaker is tripped. Push the PUSH TO RESET button to reset the breaker.
Switch OFF, NO Continuity - Breaker is not operable. Circuit is Off.





Dimensions in MM

Panel Mount Cutout
Front or Rear

PROLEC
Email: info@prolecproducts.com.au
Web: www.prolecproducts.com.au

CIRCUIT BREAKERS - SERIES 18

Mechanical Products

Features:
- Designed for the harshest of environments. Weatherproof and ignition proof.
- All materials used are resistive to UV and flammability. Strong thermoplastic case.
- Double break design to achieve increased short-circuit interruption capability.
- The push-to-reset actuator is trip-free, ensuring the breaker cannot be forced to continuously maintain a closed circuit if an overload condition exists.
- Suitable for Marine, Heavy Equipment, Trucks, Buses & Battery Chargers. Made in USA.

MADE IN THE USA

IGNITION PROTECTED

J1428

MIL-STD

Manual (TIII) # 8-32 Screw Terminal Part Number	Manual (TIII) #10-32 Stud Terminal Part Number	Ampere Rating	
1800E112E0050	–	5A	
1800E112E0100	1810E113T0100	10A	NEW
1800E112E0125	1810E113T0125	12.5A	
1800E112E0150	1810E113T0150	15A	
1800E112E0200	1810E113T0200	20A	
1800E112E0250	1810E113T0250	25A	
1800E112E0300	1810E113T0300	30A	
1800E112E0350	1810E113T0350	35A	
1800E112E0400	1810E113T0400	40A	
–	1810E113T0500	50A	
–	1810E113T0600	60A	
–	1810E113T0700	70A	NEW

Screw Terminals (1800E112E series)



Stud Terminals (1810E113T series)



Locking Nuts Fitted

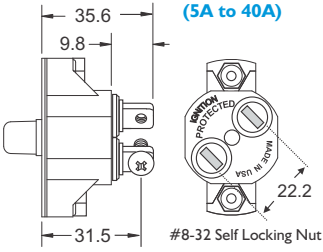
#8-32 Screw Terminals

#8-32 Mounting Locking Nuts Included

#10-32 Stud Terminals

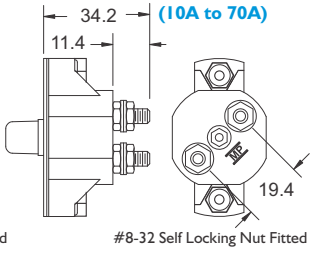
Voltage: 125VAC / 32VDC.
I.R. (1800 series): 3kA at 120VAC / 32VDC (Standard Calibration)
I.R. (1810 series): 3kA at 120VAC, 5kA at 32VDC (High Ambient*)
Reset Mechanism: Type III, Manual Reset. 1800 & 1810 Series. **Reset Button:** Red with 45° white ampere stamp.
Reset Option: Type 1, Automatic reset available. 1801 & 1811 series, no button. Contact sales for information.
Mounting Standard: #10 eyelet hole with attached self-locking nut (includes 2 x #8-32 screws).
Mounting Option: 1800T0 & 1810T0 series: #10 eyelet hole only, no fitted locking nut. Indent only.
Terminals (1800 series): Screw terminals includes #8-32 screws and lock washer.
Terminals (1810 series): Threaded stud includes #10-32 nuts and lock washer. Stud is 11.4mm long.
Vibration Rating: 10g per MIL-STD-202, Method 204, Test Condition A.
Features: Ignition Protected UL 1500. **Housing:** UL 94 V-0 Black Thermoplastic.
Pack Size: 1, 20, 40, 160, 320, 640
Note: *High Ambient style increases trip rating from 100% to 110% (min.) & 135% to 143% (max.) at 25 deg C. Ampere ratings 2A (CDM-2) and 3A (CDM-3) contact sales.
Approvals: ABYC E-11, SAE J553, SAE J1428, UL 1500, UL 1077, MIL-STD-202.

Screw Terminals #8-32 (5A to 40A)

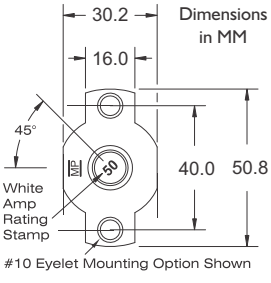


#8-32 Self Locking Nut Fitted

Stud Terminals #10-32 (10A to 70A)



#8-32 Self Locking Nut Fitted



#10 Eyelet Mounting Option Shown

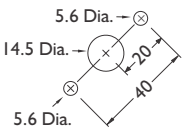
Right Angle -45° Fix Mounting Bracket SS

NEW



Part Number: PROBRK018A

Recommended Mounting



Automatic Reset No Button

NEW



Indent Item Contact Sales

Product Series: 1801 / 1811

Manual Reset - Red Button White Amp Stamp at 45°



Nameplate Accessory # 282

Product Series: 1800 / 1801

CIRCUIT BREAKERS

CIRCUIT BREAKERS - SERIES 19 PANEL MT

Features:
- Wide range of ratings from 25A to 200A.
- Superior Ingress Protection, rated to IP67 & IP69K.
- Designed for harsh applications to 30VDC.
- Optional LED tripID version for open circuits.
- Front panel or rear panel mounting options.
- Trip free.
- Wide bracket version available in natural or black.
- Made in USA. Some subassembly made in Australia.

Scan this QR Code for more information

QR Code: 10003

Auto Reset (Thru Hole) Part Number	Manual Reset (Thru Hole) Part Number	Manual Reset (Mounting Nut) Part Number	Ampere Rating
19A-P10-N-025	19M-P10-B-025	19M-P11-B-025	25A
19A-P10-N-030	19M-P10-B-030	19M-P11-B-030	30A
19A-P10-N-035	19M-P10-B-035	19M-P11-B-035	35A
19A-P10-N-040	19M-P10-B-040	19M-P11-B-040	40A
19A-P10-N-045	19M-P10-B-045	19M-P11-B-045	45A
19A-P10-N-050	19M-P10-B-050	19M-P11-B-050	50A
19A-P10-N-060	19M-P10-B-060	19M-P11-B-060	60A
19A-P10-N-070	19M-P10-B-070	19M-P11-B-070	70A
19A-P10-N-080	19M-P10-B-080	19M-P11-B-080	80A
19A-P10-N-090	19M-P10-B-090	19M-P11-B-090	90A
19A-P10-N-100	19M-P10-B-100	19M-P11-B-100	100A
19A-P10-N-105	19M-P10-B-105	19M-P11-B-105	105A
19A-P10-N-120	19M-P10-B-120	19M-P11-B-120	120A
19A-P10-N-135	19M-P10-B-135	19M-P11-B-135	135A
19A-P10-N-150	19M-P10-B-150	19M-P11-B-150	150A
19A-P10-N-175	19M-P10-B-175	19M-P11-B-175	175A
19A-P10-N-200	19M-P10-B-200	19M-P11-B-200	200A



19M-P10 Series, Manual Reset TIII
Thru Hole, No Nuts

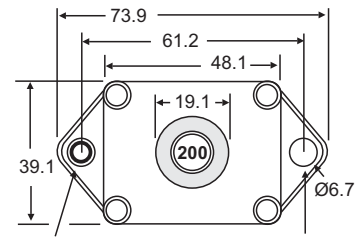


19M-P11 Series, Manual Reset TIII
#10-32 Mounting Nut

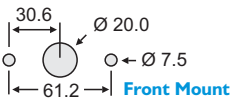


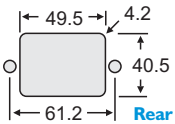
19A-P10 Series, Automatic Reset TI
Non Indicating

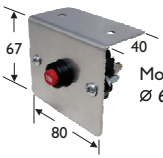
Voltage: 30VDC
I.R. (25A - 150A): 2.5kA at 14VDC, 1.5kA at 28VDC
I.R. (175A - 200A): 2.5kA at 30VDC
Auto Reset Stocked Version: No indicator.
Auto Reset Indent Options: Red LED or Clear LED Indicator.
Manual Reset Stocked Version: Red Button.
Manual Reset Indent Options: Red LED or Clear LED Button.
Panel Mount Hardware: (19x-P10) Thru-hole, no hex nuts
Panel Mount Hardware: (19x-P11) 2 x # 10-32 fitted hex nuts
Threaded Studs: 1/4"-28 (12.5mm long), includes 1/4" stainless steel sems nuts.
Housing: UL 94-V0 rated black thermoplastic.
Operating Temp: -40 deg. C to 85 deg. C
Pack Size: 1pc stock lines (9pcs non stock lines).
Approvals: SAE J1625, SAEJ1171, ABYC E-11, UL1077, Mil-STD-202 (101, 106, 213), Mil-STD-204.

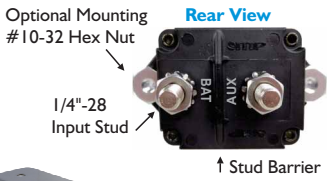


PANEL CUT-OUT(S)



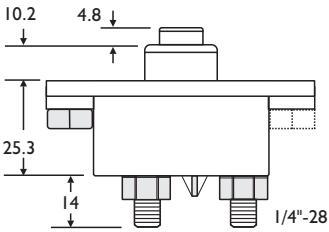






NEW

Right Angle Mounting Bracket
Part Number: PROBRK019



Dimensions in MM

PROLEC
Email: info@prolecproducts.com.au
Web: www.prolecproducts.com.au

CIRCUIT BREAKERS - SERIES 19 WIDE MOUNT BRACKET

Features:
- Wide range of ratings from 25A to 200A.
- Superior Ingress Protection, rated to IP67 & IP69K.
- Designed for harsh applications to 30VDC.
- Optional LED tripID version for open circuits.
- Wide bracket version available in natural or black.
- Circuit breaker made in USA. Subassembly made in Australia.

Manual Reset TIII Natural Bracket	Auto Reset TI Natural Bracket	
Part Number	Part Number	Ampere Rating
19M-P21-B-175	19A-P21-N-175	175A
19M-P21-B-200	19A-P21-N-200	200A

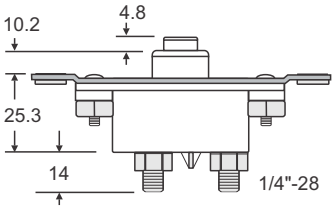
Voltage: 30VDC
I.R. (25A - 150A): 2.5kA at 14VDC, 1.5kA at 28VDC. Made to order.
I.R. (175A - 200A): 2.5kA at 30VDC, Standard product.
Auto Reset Standard Model: No indicator.
Auto Reset Optional Model: Red or Clear LED indicator.
Manual Reset Standard Model: Red Button.
Manual Reset Optional Model: Red or Clear LED indicating button.
All manual reset buttons feature a white ampere marking.
Mounting Plate: Natural finish standard. Black powder coat optional.
Includes 4 x #10-32 x 1/2" stainless steel philips head screws.
Termination: 1/4"-28 (12.5mm long) stainless steel studs.
Includes stainless steel sems nuts.
Housing: UL 94-V0 rated black thermoplastic.
Operating Temp: -40 degrees C. to 85 degrees C.
Pack Size: 1pc stock lines (36pcs non stock lines).
Approvals: SAE J1625, SAEJ1171, ABYC E-11, UL1077, Mil-STD-202 (101, 106, 213), Mil-STD-204.
Notes: Contact sales for details on all custom made product options.



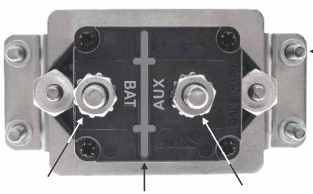
19M-P21-B-xxx
Manual Reset TIII



19A-P21-N-xxx
Automatic Reset TI

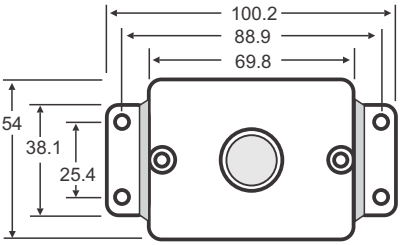


Rear View



4 Mounting Screws
#10-32 x 1/2"
SS Phillips Head
included

Battery 1/4"-28 Input Stud
Stud Barrier
Auxiliary 1/4"-28 Output Stud



Dimensions in MM

CUSTOM MADE OPTIONS



19M-P21-B-xxxB
Manual Reset TIII
With Black Bracket



19A-P21-R-xxx
Automatic Reset TI
With LED *Trip*ID™ Feature



19M-P21-R-xxx
Manual Reset TIII
With LED *Trip*ID™ Feature

CIRCUIT BREAKERS - SERIES 17 SURFACE MOUNT DIAG.

Mechanical Products

Features:
- Ignition protected and weatherproof.
- Superior moisture seal.
- Corrosion resistant studs & hardware.
- 1/4" or 3/8" stainless steel stud options.
- Robust thermoplastic case.
- Accommodates new *trip*ID™

MADE IN THE USA

IGNITION PROTECTED

IP67

MIL-STD

Automatic (TI) 1/4" & 3/8" Stud Diagonal Part Number	Manual (TIII) 1/4" Stud Diagonal Part Number	Manual (TIII) 3/8" Stud Diagonal Part Number	Ampere Rating	
171-S0-020	175-S0-020	175-S2-020	20A	NEW
171-S0-025	175-S0-025	175-S2-025	25A	
171-S0-030	175-S0-030	175-S2-030	30A	
171-S0-035	175-S0-035	175-S2-035	35A	
171-S0-040	175-S0-040	175-S2-040	40A	
171-S0-050	175-S0-050	175-S2-050	50A	
171-S0-060	175-S0-060	175-S2-060	60A	
171-S0-070	175-S0-070	175-S2-070	70A	
171-S0-080	175-S0-080	175-S2-080	80A	
171-S0-090	175-S0-090	175-S2-090	90A	
171-S0-100	175-S0-100	175-S2-100	100A	
171-S0-110	175-S0-110	175-S2-110	110A	
171-S0-120	175-S0-120	175-S2-120	120A	
171-S0-135	175-S0-135	175-S2-135	135A	
171-S0-150	175-S0-150	175-S2-150	150A	
171-S0-175	175-S0-175	175-S2-175	175A	
171-S0-200	175-S0-200	175-S2-200	200A	
171-S2-225 ^	-	175-S2-225	225A	NEW
171-S2-250 ^	-	175-S2-250	250A	NEW
171-S2-275 ^	-	-	275A	NEW
171-S2-300 ^	-	-	300A	NEW

(^ 3/8" Stud only)

* Not PTT - (Push To Trip) Manual reset only.

Automatic Reset 1/4: Studs



Automatic Reset 3/8" Studs



Manual Reset 1/4" Studs



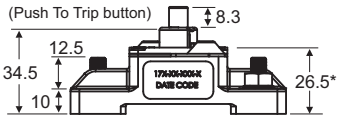
Manual Reset 3/8" Studs



Voltage Ratings:
Type TI: (20A-200A): 30VDC, (225A-300A): 14VDC.
Type TIII: (20A-150A): 48VDC, (175A-200A): 30VDC.
Type TIII: (225A-250A): 14VDC.

I.R.Ratings:
Type TI (20A-150A): 3kA at 30VDC, (175A-200A): 1.5kA at 30VDC.
Type TI (225A-300A): 2.5kA at 14VDC.
Type TIII (20A-150A): 2.5kA at 14VDC, 1.5kA at 48VDC .
Type TIII (175A-200A): 2.5kA at 14VDC, 1.5kA at 30VDC.
Type TIII (225A-250A): 1.5kA at 14VDC.

Pack Size: Stock lines 1pc, indent items 9, 36, 72, 144pcs.
Housing: UL94 V-0 rated black thermoplastic.
Termination: Diagonal 1/4" or 3/8" stud options.
Terminal Hardware: Stainless steel sems nuts included.
Stud Insulator Caps: Included.
Operating Temp: -40°C to 85 °C. **Ingress Protection Rating:** IP67
Indicator: Bright yellow colour reset mechanism provides visual Indication of tripped condition on manual reset breakers (Type TIII).
Approvals: SAE J1625, J1171, ABYC E-11, MIL-STD-202, UI1077



*Overall height of 171 series.

RELATED PRODUCTS *Trip*ID™

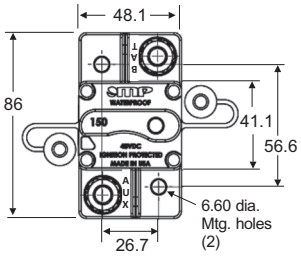
TripID Surface mount accessory. Provides a red lit visual indication of an open circuit. Can be reused. Simply snap on and off as



Part Number: 17LED-R
Voltage: 10-30VDC

Breaker with *Trip*ID





Dimensions in MM

PROLEC

Email: info@prolecproducts.com.au
Web: www.prolecproducts.com.au

CIRCUIT BREAKERS - SERIES 17 SURFACE MOUNT SBS

SMP Mechanical Products

Features:
- Ignition protected and weatherproof.
- Superior moisture seal.
- Robust thermoplastic case.
- Corrosion resistant studs & hardware.
- 1/4" or 3/8" stainless steel stud options.
- Stronger rubber stud cap lead.
- Accommodates new *trip*ID™
- Made in USA.

MADE IN THE USA

IGNITION PROTECTED

IP67

MIL-STD

Manual (TIII) 1/4" Stud Side by Side Part Number	Manual (TIII) 3/8" Stud Side by Side Part Number	Ampere Rating	
175-S1-020	175-S3-020	20A	NEW
175-S1-025	175-S3-025	25A	
175-S1-030	175-S3-030	30A	
175-S1-035	175-S3-035	35A	
175-S1-040	175-S3-040	40A	
175-S1-050	175-S3-050	50A	
175-S1-060	175-S3-060	60A	
175-S1-070	175-S3-070	70A	
175-S1-080	175-S3-080	80A	
175-S1-090	175-S3-090	90A	
175-S1-100	175-S3-100	100A	
175-S1-110	175-S3-110	110A	
175-S1-120	175-S3-120	120A	
175-S1-135	175-S3-135	135A	
175-S1-150	175-S3-150	150A	
175-S1-175	175-S3-175	175A	
175-S1-200	175-S3-200	200A	
-	175-S3-225	225A	NEW
-	175-S3-250	250A	NEW

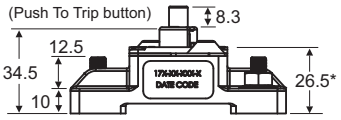
Manual Reset Type TIII PTT 1/4" Studs Side by Side



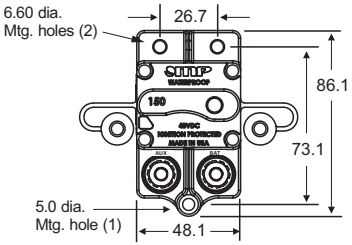
Manual Reset Type TIII PTT 3/8" Studs Side by Side



Voltage Ratings:
Type TI: (20A-200A): 30VDC, (225A-300A): 14VDC.
Type TIII PTT: (20A-150A): 48VDC, (175A-200A): 30VDC.
Type TIII PTT: (225A-250A): 14VDC.
I.R.Ratings:
Type TI (20A-150A): 3kA at 30VDC, (175A-200A): 1.5kA at 30VDC.
Type TI (225A-300A): 2.5kA at 14VDC.
Type TIII PTT (20A-150A): 2.5kA at 14VDC, 1.5kA at 48VDC .
Type TIII PTT (175A-200A): 2.5kA at 14VDC, 1.5kA at 30VDC.
Type TIII PTT (225A-250A): 1.5kA at 14VDC.
Reset Function: Manual Reset. Automatic Reset Optional.
Housing: UL94 V-0 rated black thermoplastic.
Termination: Side by Side 1/4" or 3/8" stud options.
Terminal Hardware: Stainless steel sems nuts included.
Stud Insulator Caps: Included.
Operating Temp: -40°C to 85 °C. **Ingress Protection Rating:** IP67
Indicator: Bright yellow colour reset mechanism provides visual indication of tripped condition on manual reset breakers (Type TIII).
Pack Size: Stock lines 1pc, indent items 9, 36, 72, 144pcs.
Approvals: SAE J1625, J1171, ABYC E-11, MIL-STD-202, UI1077



*Overall height of 174 series.



Dimensions in MM

RELATED PRODUCTS - *Trip*ID™

Surface mount accessory. Provides a red lit visual indication of an open circuit.



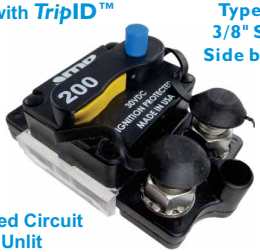
Part Number: 17LED-R
Voltage: 10-30VDC
Mounting: Snap on.



Open Circuit
Red LED Lit

Side by Side Studs with *Trip*ID™

Manual Reset Type TIII 3/8" Studs Side by Side



Closed Circuit
LED Unlit

Features:
- Ignition protected and weatherproof.
- Standard or 90 degree stud orientation.
- Robust thermoplastic case.
- Corrosion resistant studs & hardware.
- Largest amperage range available.
- 1/4" or 3/8" stainless steel stud options.
- Superior moisture seal.
- Breaker made in USA. Bracket made in AU.

MADE IN THE USA

IGNITION PROTECTED

IP67

MIL-STD

Auto Reset Type TI 1/4" Studs 3/8" Studs ^ Part Number	Manual Reset Type TIII PTT 1/4" Studs 3/8" Studs ^ Part Number	Ampere Rating	
171-P0-020	175-P0-020	20A	NEW
171-P0-025	175-P0-025	25A	
171-P0-030	175-P0-030	30A	
171-P0-035	175-P0-035	35A	
171-P0-040	175-P0-040	40A	
171-P0-050	175-P0-050	50A	
171-P0-060	175-P0-060	60A	
171-P0-070	175-P0-070	70A	
171-P0-080	175-P0-080	80A	
171-P0-090	175-P0-090	90A	
171-P0-100	175-P0-100	100A	
171-P0-110	175-P0-110	110A	
171-P0-120	175-P0-120	120A	
171-P0-135	175-P0-135	135A	
171-P0-150	175-P0-150	150A	
171-P0-175	175-P0-175	175A	
171-P0-200	175-P0-200	200A	
171-P2-225 ^	175-P2-225 ^	225A	NEW
171-P2-250 ^	174-P2-250 ^ *	250A	NEW
171-P2-275 ^	-	275A	NEW
171-P2-300 ^	-	300A	NEW

(^ 3/8" Stud only) * Not PTT - (Push To Trip) Manual reset only.

Auto Reset Type I Std. Orientation



Manual Reset Type III w/PTT Std. Orientation



Rear View 1/4" Studs Std. Orientation



Rear View 3/8" Studs Std. Orientation



I.R.Ratings:
Type TI (20A-150A): 3kA at 30VDC,
Type TI (175A-200A): 1.5kA at 30VDC.
Type TI (225A-300A): 2.5kA at 14VDC.
Type TIII (20A-150A): 2.5kA at 14VDC, 1.5kA at 48VDC .
Type TIII (175A-200A): 2.5kA at 14VDC, 1.5kA at 30VDC.
Type TIII (225A-250A): 1.5kA at 14VDC.

Voltage Ratings:
Type TI: (20A-200A): 30VDC, (225A-300A): 14VDC.
Type TIII: (20A-150A): 48VDC, (175A-200A): 30VDC.
Type TIII: (225A-250A): 14VDC.

Pack Size: Stock lines 1pc, indent items 9, 36, 72, 144pcs.
Housing: UL 94-V0 rated black thermoplastic.
Termination: 1/4" or 3/8" Stainless steel studs.
Terminal Hardware: Stainless steel Sems nuts included.
Operating Temp: -40°C to 85°C. **Ingress Protection Rating:** IP67
Indicator: Bright yellow colour reset mechanism provides visual indication of tripped condition on manual reset breakers (TIII).
Options: 90 Degree position studs suit horizontal busbar.
(17x-P1 Series is an indent item only)
Approvals: SAE J1625, J1171, ABYC E-11, MIL-STD-202, UL1077

Gasket Accessory
Part Number: B156-7003-J
Material: Black Santoprene.

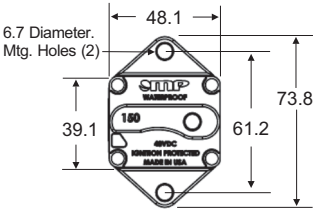




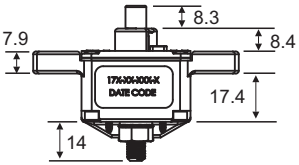
NEW



Right Angle Mounting Bracket
Part Number: PROBRK017
Material: Stainless Steel



Dimensions in MM



PROLEC
Email: info@prolecproducts.com.au
Web: www.prolecproducts.com.au

EATON Bussmann

This single pole thermal circuit breaker is typically used in DC power systems in marine applications (as a main or branch circuit breaker), truck, bus & RV systems, add-on protection for accessories, etc. Some models are sealed for engine compartment and bilge applications.

IGNITION PROTECTED

IP66

Features:
- Ignition protected and weatherproof.
- Elastomer over mold front.

Auto Reset Type TI Threaded Mt Part Number	Manual Reset Type TIII - PTT Threaded Mt Part Number	Manual Reset Type TIII - PTT Non-Threaded Mt Part Number	Ampere Rating
25110-B-1	25510-B-1	25510-A-1	10A
25115-B-1	25515-B-1	25515-A-1	15A
25120-B-1	25520-B-1	25520-A-1	20A
25125-B-1	25525-B-1	25525-A-1	25A
25130-B-1	25530-B-1	25530-A-1	30A
25135-B-1	25535-B-1	25535-A-1	35A
25140-B-1	25540-B-1	25540-A-1	40A
25150-B-1	25550-B-1	25550-A-1	50A

Auto Reset No Button (251 series)



Manual Reset Push To Trip - Button (255 series)

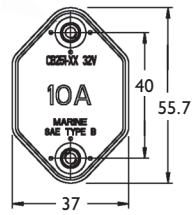


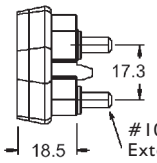
Voltage: 32VDC
I.R.: 2.5kA as per ABYC E-11.
Reset Mechanism: Type I = Automatic Reset,
Type III PTT = Manual Reset with Push To Trip feature.
Indicator: The 255 series has a unique highly visible yellow colour reset mechanism which provides a visual indication of tripped condition & features a push-to-trip (PTT) option.
Mounting Torque Rating: 2.0Nm max.
Mounting Hole Types: -A-1 (suffix) = #10 Thru-hole insert (not threaded).
-B-1 (suffix) = #8-32 (threaded inserts).
Terminal Hardware: Nylock nuts installed.
Termination: #10-32 Threaded studs.
Operating Temp: -40°C to 85 °C **Storage Temp:** -40°C to 125°C
Body: UL 94 V-0 thermoset plastic
Ingress Protection Rating: IP66
Pack Size: Stock lines 1pc, indent items 60pcs.
Approvals SAE J553, J1171 & ABYC E-11.

Rear View #10-32 Studs

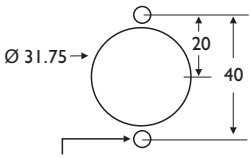


Automatic Type 251 series

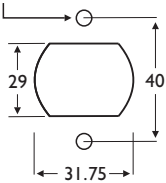




Front Panel Mounting

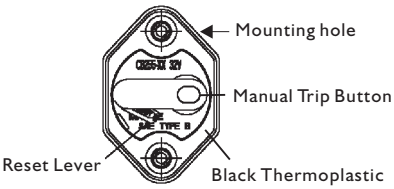


P/N Suffix	Hole Clearance
-A-1	2 x #10-32.
-B-1	2 x #8-32.

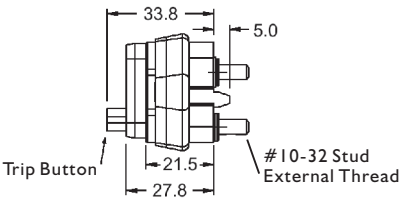


Rear Panel Mounting

Manual Type 255 series



Dimensions in MM



Typically used in auxiliary and accessory circuits for automotive & marine applications.
Some models are sealed for engine compartment and bilge area applications.

IGNITION PROTECTED IP67

30VDC Auto Reset Type TI Part Number	48VDC Manual Reset Type TIII PTT Part Number	Ampere Rating
181025F-12-1	285025F	25A
181030F-12-1	285030F	30A
181035F-12-1	285035F	35A
181040F-12-1	285040F	40A
181050F-12-1	285050F	50A
181060F-12-1	285060F	60A
181070F-12-1	285070F	70A
181080F-12-1	285080F	80A
181090F-12-1	285090F	90A
181100F-12-1	285100F	100A
181110F-12-1	285110F	110A
181120F-12-1	285120F	120A
181135F-12-1	285135F	135A
181150F-12-1	285150F	150A

Auto Reset (181 Series)

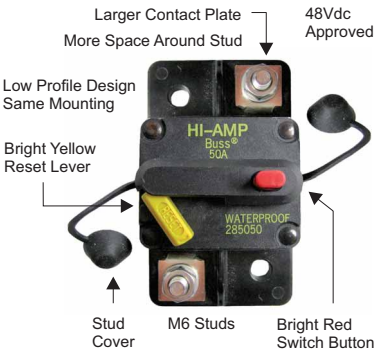


Manual Reset PTT (285 Series)

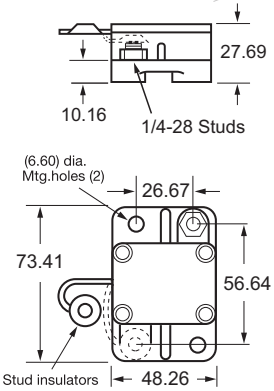


I.R.: 3kA at 30VDC (Series 181), 3kA at 48VDC (Series 285)
Voltage: 30VDC (Series 181), 48VDC (Series 285)
Pack Size: Stock lines 1pc, indent items 60pcs
Termination: 1/4"-28 threaded studs (Series 181)
M6 threaded studs (Series 285)
Operating Temp: -40°C to 85 °C (All Series)
Storage Temp: -34°C to 149°C (Series 181),
-40°C to 125°C (Series 285).
Ingress Protection Rating: IP67
Housing: UL 94 V-0 thermoset plastic.
Indicator: Reset mechanism provides visual indication of tripped condition on manual reset breakers.
Black colour (184 & 185 Series), Yellow colour (285 Series).
Features: Ignition Protected and weatherproof.
Stud Insulator Caps: Included
Terminal Hardware: Stainless steel nuts and lock washers installed.
Notes: The 285 series is a drop in replacement for the 185 series.
184 series also available which is manual reset only.
Approvals: SAE J1625, SAE J1171, ABYC E-11 CE

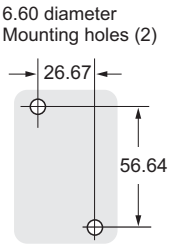
285 Series Feature Upgrades



181 Series (Standard Profile, Compact Body)

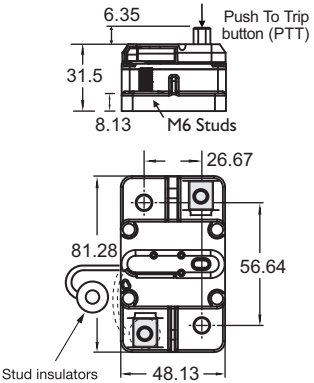


Suggested Mounting Cutout



Dimensions in MM

285 Series (Low Profile, Extended Body)



PROLEC
Email: info@prolecproducts.com.au
Web: www.prolecproducts.com.au

EATON Bussmann

Typically used in auxiliary and accessory circuits for automotive & marine applications.
Some models are sealed for engine compartment and bilge area applications.

IGNITION PROTECTED IP67

Manual Reset
Type TIII PTT

Part Number	Ampere Rating
285025P	25A
285030P	30A
285035P	35A
285040P	40A
285050P	50A
285060P	60A
285070P	70A
285080P	80A
285090P	90A
285100P	100A
285110P	110A
285120P	120A
285135P	135A
285150P	150A

Rear View M6 Studs



Manual Reset PTT (285 Series)



I.R.: 3kA at 48VDC
Voltage: 48VDC
Termination: M6 threaded studs.
Operating Temp: -40°C to 85 °C.
Storage Temp: -40°C to 125°C.
Ingress Protection Rating: IP67
Housing: UL 94 V-0 thermoset plastic.
Indicator: Bright yellow colour reset mechanism provides visual indication of tripped condition on manual reset breakers.
Features: Ignition Protected and weatherproof.
Terminal Hardware: Stainless steel nuts and lock washers installed.
Pack Size: Stock lines 1pc, indent items 60pcs
Notes: The 285 series is a drop in replacement for the 185 series. 184 series also available which is manual reset only, no PTT feature.
Approvals: SAE J1625, SAE J1171, ABYC E-11 CE

Gasket Accessory B156-7003-J

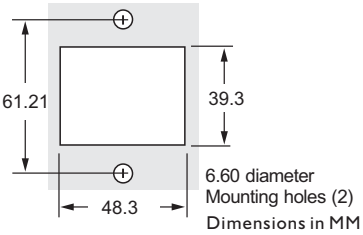


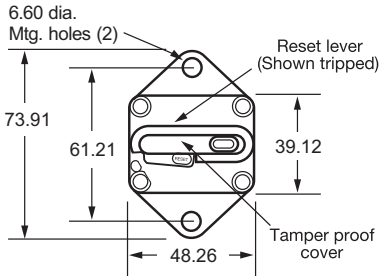
Gasket Fitted To Breaker

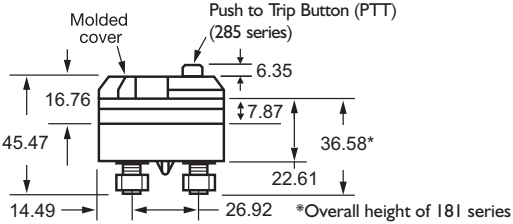


Gasket Part Number: B156-7003-J
Material: Black Santoprene.
Notes: Optional flange mount gasket for through wall applications. Gasket wraps around breaker to provide a seal between the circuit breaker housing and the panel.

Suggested Mounting Cutout







1/4-28 Studs (181 Series - Automatic Reset)
M6 Studs (285 Series - Manual Reset PTT)

CIRCUIT BREAKERS - MARINE RATED

Bussmann

IP66 IGNITION PROTECTED

Surface Mount Part Number	Panel Mount Part Number	Ampere Rating	Stud Size
187025F-03-1	187025P-03-1	25A	5/16"-18
187030F-03-1	187030P-03-1	30A	5/16"-18
187035F-03-1	187035P-03-1	35A	5/16"-18
187040F-03-1	187040P-03-1	40A	5/16"-18
187050F-03-1	187050P-03-1	50A	5/16"-18
187060F-03-1	187060P-03-1	60A	5/16"-18
187070F-03-1	187070P-03-1	70A	5/16"-18
187080F-03-1	187080P-03-1	80A	5/16"-18
187090F-03-1	187090P-03-1	90A	5/16"-18
187100F-03-1	187100P-03-1	100A	5/16"-18
187110F-03-1	187110P-03-1	110A	5/16"-18
187120F-03-1	187120P-03-1	120A	5/16"-18
187135F-03-1	187135P-03-1	135A	5/16"-18
187150F-03-1	187150P-03-1	150A	5/16"-18
187200F-03-1	187200P-03-1	200A	5/16"-18



Surface Mount



Panel Mount

Voltage: 48VDC **I.R.:** 5kA at14VDC, 3kA at 28VDC, 1.5kA at 48VDC
Reset Mechanism: Type TIII, Manual reset & switchable.
Temperature Operating: -40°C to 85 °C. **Storage:** -40°C to 125°C
Termination: 5/16"-18 threaded studs. SS nuts & lock washers installed.
Ingress Protection Rating: IP66 **Approvals:** SAE J1171, ABYC E-11 CE

Scan this QR Code for more information
QR Code: 10006

CIRCUIT BREAKERS - MARINE RATED

MADE IN THE USA

Mechanical Products

IP66 IGNITION PROTECTED NEW

Features:
- Capable of withstanding 2000 on/off cycles at 48VDC.
- Ignition protected and weatherproof IP66 rated.
- Marine grade corrosion resistive materials.
- Choice of 5/16-18 or 3/8-16 stainless steel threaded studs.
- Extensive ampere rating choice 25A through to 250A.
- Round panel mount face standard. Rounded rectangular option -B.

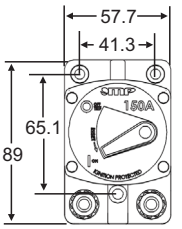
Surface Mount Part Number	Panel Mount Part Number	Ampere Rating	Stud Size
875-S1-025	875-P1-025	25A	5/16"-18
875-S1-030	875-P1-030	30A	5/16"-18
875-S1-035	875-P1-035	35A	5/16"-18
875-S1-040	875-P1-040	40A	5/16"-18
875-S1-050	875-P1-050	50A	5/16"-18
875-S1-060	875-P1-060	60A	5/16"-18
875-S1-070	875-P1-070	70A	5/16"-18
875-S1-080	875-P1-080	80A	5/16"-18
875-S1-100	875-P1-100	100A	5/16"-18
875-S1-110	875-P1-110	110A	5/16"-18
875-S1-120	875-P1-120	120A	5/16"-18
875-S1-135	875-P1-135	135A	5/16"-18
875-S1-150	875-P1-150	150A	5/16"-18
875-S1-175	875-P1-175	175A	5/16"-18
875-S1-200	875-P1-200	200A	5/16"-18
875-S2-225	875-P2-225	225A	3/8"-16
875-S2-250	875-P2-250	250A	3/8"-16

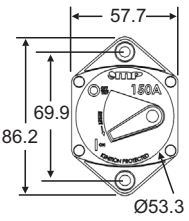


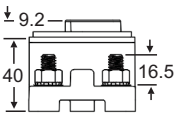
Surface Mount

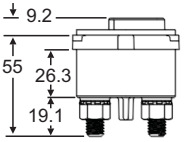


Panel Mount









Dimensions in MM

Voltage: 48VDC **I.R.:** 5kA at14VDC, 3kA at 28VDC, 1.5kA at 48VDC
Reset Mechanism: Type TIII, Manual reset & switchable.
Operating Temp: -40°C to 85 °C. **Materials:** Thermoset Polyester.
Terminal Hardware: Stainless nuts & lock washers installed.
Termination Standard: 5/16"-18 (25A-200A), 3/8"-16 (225A-250A).
Termination Notes: The internal circuit breaker design has double contacts so that it is make and break. The circuit is symmetrical so you can cable the "Line" and "Load" either way.
Torque Rating: 75 in-libs for 5/16"-18, 100 in-libs for 3/8"-16
Ingress Protection Rating: IP66 **Ignition Protected:** SAE J1171
Approvals Pending: SAE J1171, J553, ABYC E-11, UL 1077

Scan this QR Code for more information
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Fuse Holders, Fuse Blocks & Panels

Quality built products.



Fuse Clips & PCB Mount Holders	Page
Mini Fuse, Auto Fuse & Maxi Fuse	68
EV Cartridge Midget Fuse (5AB)	68

Panel Mount Holders	Page
3AG Fuses	69

In-line Holders	Page
3AG / AGC Fuses	69 - 71
Low Profile Mini Fuse	72
Micro2 Fuse	72
Mini Fuse / LED Mini Fuse	72 - 73
Auto Fuse / LED Auto Fuse	74 - 78
Maxi Fuse / LED Maxi Fuse	79 - 80
Mini & Auto Bladed Breakers	77
Jcase Fusible Link	81
Midi Fuse	81 - 82
Mega Fuse	82

Add-A-Circuit Holders	Page
Micro2 & Micro3 Fuse	83
Low Profile Mini Fuse	83
Mini Fuse	83
Auto Fuse	83
Mini & Auto Taps	84
Ground Taps 3 Way	84
Mini & Auto Blade Socket Connectors	85
Mini & Auto Blade Socket Current Loops	85
Fuse Diagnostic Kit For Mini & Auto Blade	85

Fuse Blocks	Page
Micro2 Fuse Block	86
Mini Fuse Block	86
Auto Fuse Block	88 - 89
Auto Fuse Block Sealed	93
Midi Fuse Block	94 - 96, 98
Mega Fuse Block	96 - 97, 99 - 101
Lift Truck Fuse Block	101
EV Midget Cartridge Fuses (5AB)	102
EV Midget Bolted Tag Fuses (5AB)	102
High Power DC Bolted Tag Fuses	103 - 104
EV / EVSE Bolted Tag Fuses	103 - 104

Fuse Panels	Page
Auto Fuse	87, 90 - 92
Auto Bladed Breaker	87, 91 - 92

LV FUSE CLIPS BOARD MOUNT

NEW

Part Number	Holder	Fuse Type	Blade Width	Rating	Orientation	Mounting Method
FC-MINV	Clip	Mini Blade	2.8mm	15A	Vertical	Thru Hole
FC-MINH	Clip	Mini Blade	2.8mm	15A	Horizontal	Thru Hole
FC-ATOV	Clip	Auto Blade	5.2mm	15A	Vertical	Thru Hole
FC-ATOH	Clip	Auto Blade	5.2mm	15A	Horizontal	Thru Hole
FC-MAXV	Clip	Maxi Blade	8.3mm	50A	Vertical	Thru Hole
FCB-26	Board	Mini Blade	2.8mm	15A	Vertical	Thru Hole
FCB-25	Board	Auto Blade	5.2mm	20A	Vertical	Thru Hole

Material: Tin plated spring brass.
Pack Size: Varies, please contact sales.
Note Clips: 2pcs required per fuse.
Data Sheet: Contact sales
Approvals: RoHS



Mini Fuse Board THM



Auto Fuse Board THM



Mini Clips Vertical



Mini Clips Horizontal



Auto Clip Vertical



Auto Clips Horizontal



Maxi Clips Vertical

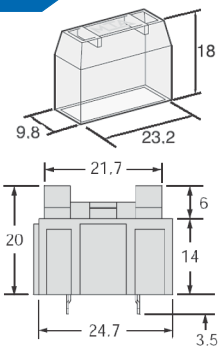
AUTO FUSE HOLDER BOARD MOUNT

Part Number	Mounting Type	Description
00420	Thru Hole	Fuse holder
00359	Clip On	Clear cover

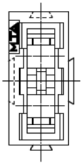
Rating: 15A **Voltage:** 32V
Body: Black PA66, UL94 V2.
Mounting: Thru Hole Mount.
Cover: Transparent PC
Terminals: Tin plated phosphor bronze, Inox-steel clip included.
Feature: Stackable end or side.
Pack Size: 5, 10, 100, 500, 1000
Notes: Auto fuse is not included.

Mounting Pattern





Dimensions in MM







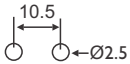
RELATED PRODUCTS: Auto Fuse (see p.17)



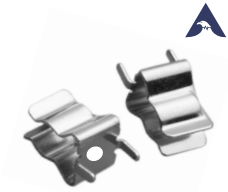
EV CARTRIDGE FUSE CLIPS 10.3MM DIAMETER

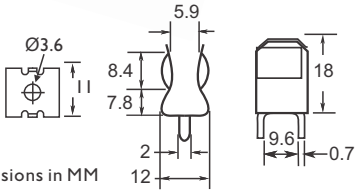
Part Number	Mounting Type
BC800	Thru Hole

Rating: 32A **Voltage:** 250V-1500V
Clip Material: Brass, Tin plated.
Pack Size (bag): 2, 10, 100, 1000
Feature: Fuse end stop
Suits EV Cartridge Fuse: 10.3 x 38.1mm.
Approvals: RoHS



Mounting Pattern





Dimensions in MM



RELATED PRODUCTS: EV Cartridge Fuses (see p.32-34)

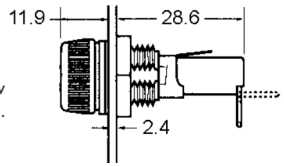
Email: info@prolecproducts.com.au
Web: www.prolecproducts.com.au

3AG FUSE HOLDERS PANEL MOUNT

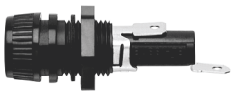
EATON Bussmann

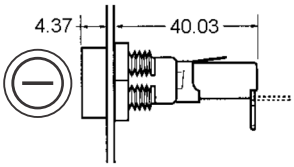
Part Number	Knob Type	Terminal Type / Angle
HTB-26I-R	Fingergrip	1/4" Q/C (6.35mm) Straight
HTB-22I-R	Fingergrip	3/16" Q/C (4.8mm) or Solder, Straight
HTB-34I-R	Screwdriver	3/16" Q/C (4.8mm) or Solder, Right

Voltage: 250V **Rating:** 20A
Terminals: Tin plated brass.
Mounting Standard: Low profile, rear hex nut.
Mounting Option: High profile, or snap mount low profile. Please contact sales for further information.
Ambient Temperature: -55°C to +85°C.
Body: Flame retardant thermoplastic UL 94VO.
Accessories: Includes plastic nut and spacer.
Options: Finger-grip type holders may be ordered with 'splash proof' knob, please contact sales.
Pack Size: 1, 10, 100
Note: Maximum panel Thickness: 7.62mm
Notes: Fuse is not included.
Approvals: RoHS

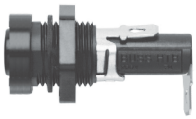


Finger Grip Knob

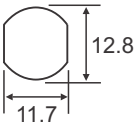




Screwdriver Knob



Mounting Hole Double D Type



Dimensions in MM

1/4" Terminal Types



Straight 6.35mm (1/4") Quick Connect (Q/C)



Right 6.35mm (1/4") Quick Connect (Q/C)

3/16" Terminal Types



Straight 4.8mm (3/16") Quick Connect (Q/C) or Solder



Right 4.8mm (3/16") Quick Connect (Q/C) or Solder

FUSE HOLDERS

3AG 250V / 500V IN-LINE FUSE HOLDERS

Littelfuse

NEW

Features:
- High voltage rating accommodates many power applications.
- Single piece molded body minimizes component count.
- Wire leads are pre-attached to fuse clips for quick assembly.
- UL Recognized.



Clamshell Open / Close

Part Number	Description
150322	15A 500VAC / 500VDC
150332	15A 250VAC / 250VDC

Terminals: Tin plated brass.
Wire Gauge: 0.8mm^2 (#18 AWG) Black, 150°C stranded.
Wire Length: 200mm each side of the body included.
Pack Size: 1, 10, 100, 1000
Note: 3AG fuse not included.
Approvals: UL/CSA 4248.1, E14721 RoHS

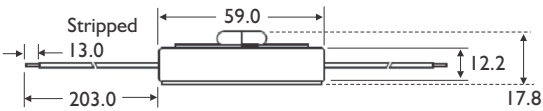
RELATED PRODUCTS:



AGC / 3AG Fuses
(see p.10 & 11)



3AB Fuses
(see p.11)



Dimensions in MM

3AG 250V IN-LINE HOLDER SPLASH PROOF

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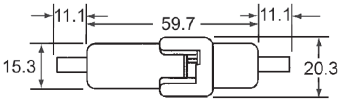
IP64

Part Number
HFA-R



Crimp Terminal

Rating: 20A **Voltage:** 250V
Flammability: UL 94 HB (phenolic body)
Temperature Rating (RTI): 150°C
Holder Type: Bayonet Type
Ingress Protection: IP64 Rating for exposed locations.
Contacts: Copper crimp
Crimp Terminal: 1 - 3mm² (#16-12AWG) copper wire.
Crimp Tool: Thomas & Betts WT-112M
Pack Size: 1, 10, 20, 100, 500
Approvals: RoHS



Dimensions in MM

RELATED PRODUCTS:



AGC / 3AG Fuses
(see p.10 & 11)



3AB Fuses
(see p.11)

3AG 32V IN-LINE HOLDER & 20A FUSE

EATON Bussmann

NEW

Part Number	Description
HRJ	20A Bayonet holder

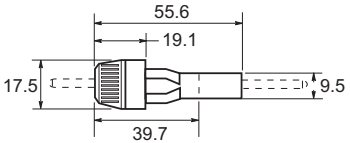


Voltage: 32V
Temperature Rating (RTI): 140°C.
Wire Thickness: 2mm² (#14 AWG).
Wire Length: 480mm loop.
Pack Size: 1, 10, 100, 500, 1000

Bonus Feature:
Fuse holder includes 3AG 20A fuse. # AGC020
Fuse specifications: Glass case 6.35 x 31.8mm
20A 32VAC/DC



AGC020 Fuse (Included)



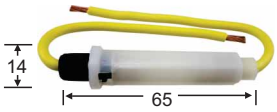
Dimensions in MM

3AG 32V IN-LINE HOLDER

EATON Bussmann

NEW

Part Number	Description
HHN	30A Twist lock holder



Dimensions in MM

Voltage: 32V
Body: Nylon Heavy Duty White Body.
Wire Thickness: 3mm² (#12 AWG) yellow.
Wire Length: 2 x 100mm lengths of wire.
Pack Size: 1, 10, 100, 500, 1000
Notes: Fuse is not included



RELATED PRODUCTS:



AGC / 3AG
(see p.10 & 11)



AGC Fuse Kit
(see p.38)

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3AG, 7AG, 8AG 32V IN-LINE HOLDER

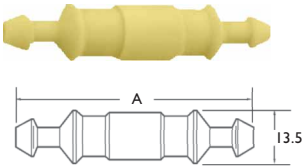
Bussmann

Part Number	Description
HHB-R	Snap lock fuse holder 30A



Internal Crimp Terminals

Rating: 30A **Voltage:** 32V
Body: Nylon (high visibility yellow colour).
Flammability: UL 94 V2
Wire Thickness: 1 - 3mm^2 (#16-12 AWG). Wire not included.
Crimp: Simple crimp assembly, copper tin plated.
Crimp Tools: Thomas & Betts ERG4001, Channelock No.909, General Electric - U.S. & Metric Electrical Terminal Tool.
Assembled Holder Option: Can be ordered assembled with #14 AWG insulated leads in lengths of either 204mm or 483mm.
Lead colour options; red, black, yellow).
Contact sales for further information.
Suits Fuses: Cartridge fuse types 7AG, 8AG and 3AG.
RoHS



With Fuse Installed	"A" Dimension
7AG (AGW)	53.34mm
8AG (AGX)	57.19mm
3AG (AGC)	61.5mm

RELATED PRODUCTS:



7AG / AGW
(see p.10)



8AG / AGX
(see p.10)



3AG / AGC
(see p.10 & 11)



AGC Fuse Kit
(see p.38)

3AG 32V IN-LINE HOLDER SPLASH PROOF

Bussmann

IP67

Features:
- Ideal for harsh environments. Water, salt spray, ultraviolet light, Ozone.
- Withstands many organic solvents, rigorous shock and vibration.

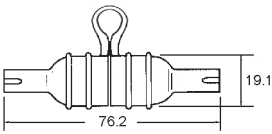
Part Number	Description
HFB-R	Push lock fuse holder 30A



Crimp Terminals

Rating: 30A **Voltage:** 32V
Body: Thermoplastic rubber, high visibility yellow colour.
Contacts: Tin plated copper Cu wire.
Temperature Range: -40°C to +150°C
Flammability Rating: UL 94 HB
Ozone Resistance: Passed 70 hours in 50 ppm ozone per ASTM D-5
Vibration Resistance: MIL STD 810C
Wire Thickness: 0.8 - 3mm^2 (#18-12 AWG) wire not included.
Ingress Protection: IP67 Rating for exposed locations.
Crimp Tools: Thomas & Betts WT-112M or ERG4002, Channelock No.909.
California Terminal Products No.1250
Pack Size: 1, 10, 100
Approvals: RoHS





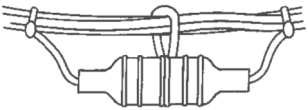
Dimensions in MM

RELATED PRODUCTS:



AGC / 3AG
(see p.10 & 11)

Possible Mounting Arrangement



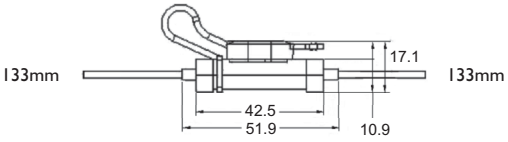
LOW PROFILE MINI FUSE IN-LINE HOLDER

PROLEC

Part Number	Description
FHL002	Fuse holder with cover 30A

Rating: 30A **Voltage:** 58VDC
Body: Black Nylon PA66.
Terminals: Tin / Nickel plated Bronze.
Wire Gauge: 3mm² (#12AWG) red.
Wire Length: 2 x 133mm lengths of wire.
Pack Size: 1, 10, 100, 1000
Notes: Fuse is not included.





Dimensions in MM

RELATED PRODUCTS: **Low Profile Minifuse** (see p.14)

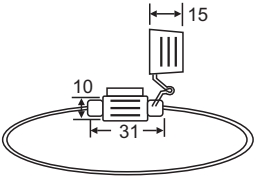


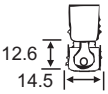
MICRO2 IN-LINE HOLDER SPLASH PROOF

PROLEC

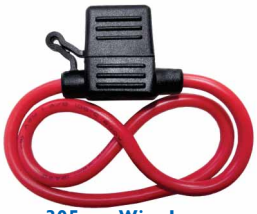
Part Number	Description
FHC002	Fuse holder with cover 30A

Rating: 30A **Voltage:** 32V
Wire: 3mm² (#12AWG) stranded.
Wire Length: 305mm red wire loop.
Body: Black PVC.
Terminals: Tin plated brass.
Pack Size: 1, 10, 100, 1000.





Dimensions in MM



305mm Wire Loop

RELATED PRODUCTS: **Micro2 Fuse** (see p.13)



MINI FUSE IN-LINE HOLDERS

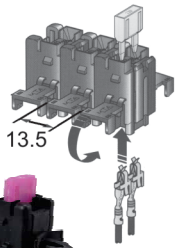
MTA

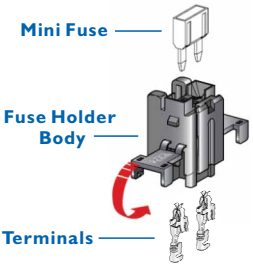
Features:
- Stackable via slide lock.
- Lateral or snap mountable.

Part Number	Fuse Holder Kits Include:
01400K1	1 x Fuse holder 01400, 2 x crimp terminals 07209BK (0.5 - 1mm²)
01400K2	1 x Fuse holder 01400, 2 x crimp terminals 07212BK (1.5 - 2.5mm²)

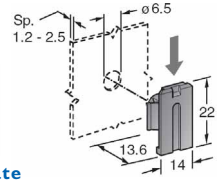
Voltage: 32V
Body: Polyamide 6.6 (PA66)
Fuse Holder Kit Pack Size: 1, 10, 100
Fuse Cover Pack Size: 1, 10, 100
Mounting Plate Pack Size: 1, 10, 100
Notes: Fuse and fixing plate are not included.
Approvals: RoHS

Stackable

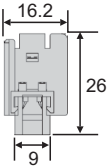


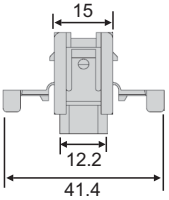


Snap Mount Fixing Plate



Mounting Option





Dimensions in MM

RELATED PRODUCTS:



Mini Fuse & LED Mini Fuse (see p.15)



Fuse Cover (# 00416)



Fixing Plate (# 00395)

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MINI FUSE IN-LINE HOLDERS

Littelfuse

Part Number	Description
FHM001	20A with cover, 2.1mm² #14AWG Black
FHM002	30A with cover, 3.3mm² #12AWG Orange

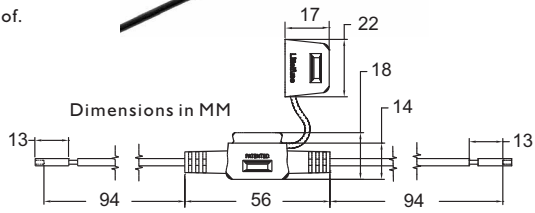


IP67
IGNITION PROTECTED

Voltage: 32V-58V
Wire: 125°C rated, GXL wires, tinned stranded copper.
Body: Black thermoplastic
Ignition Proof: UL94
Ignition Protection: V-2 / V-0
Ingress Rating: IP67 Cover dustproof & waterproof.
Pack Size: 1, 10, 100, 1000
Note: Fuses are not included.
Approvals: RoHS




RELATED PRODUCTS: Mini Fuse (see p.15) Mini Fuse 58V (see p.16)



MINI FUSE IN-LINE HOLDER

EATON Bussmann

NEW
IP66

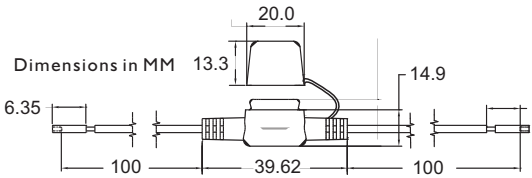
Part Number	Description
HHL	20A with cover, 1.0mm² #16AWG



Voltage: 32V
Wire: Black, 26 strand copper, no plating.
Contact Material: Brass, tin-plated.
Insulation Body: Santoprene TPV.
Feature: Cover is splash proof
Pack Size: 1, 10, 100, 1000
Approvals: UL 3266, SAE J2030 RoHS

RELATED PRODUCT: Mini Fuse (see p.15)





MINI FUSE IN-LINE HOLDERS CLEAR

PROLEC

FHM00XCLR is a transparent inline fuse holder with protective cap that when used with a LED indicating mini blade fuse it lights up when a fuse is blown.

NEW
IP66

Part Number	Description
FHM001CLR	20A with clear cover, 1.0mm² #16AWG
FHM002CLR	30A with clear cover, 3.3mm² #12AWG

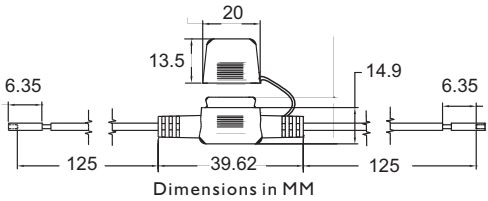


Blown LED Mini Fuse Lights Up Clear Cover

Voltage: 32V
Wire Length: 2 x 125mm lengths of wire
Body: Transparent thermoplastic
Feature: Cover is splash proof
Pack Size: 1, 10, 100, 1000
Approvals: RoHS

RELATED PRODUCT: LED Mini Fuse (see p.15)





AUTO FUSE IN-LINE HOLDERS

Littelfuse

Features:
- Capable of snap-mounting to panel from rear.
- Fuse holders gang together (stackable).

Part Number	Fuse Holder Kits Include;
155320U	Fuse holder kit includes holder & terminals 20A 868-062-000 & 2 x 913-008-001
155430U	Fuse holder kit includes holder & terminals 30A 868-062-000 & 2 x 913-007-001

Part Number	Individual Component Ordering
868-062-000	Fuse holder body only (black) snap lockable
913-008-001	Terminal 2.1mm² (#14 AWG stranded wire)
913-007-001	Terminal 5.3mm² (#10 AWG stranded wire)



Auto Blade Fuse

Fuse Holder Body



Terminals



Voltage: 32V
Body: Black thermoplastic (UL 94V2)
Terminals: Tin plated brass (snap-lock into body)
Ambient Temp: -40°C to +85°C
Panel Thickness: 1.02mm / 1.98 mm
Notes: Fuse is not included.
Approvals: RoHS Pb

Dimensions in MM

RELATED PRODUCTS:

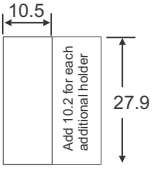


Auto Fuse
(see p.17)

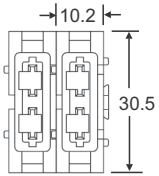


LED Auto Fuse
(see p.17)

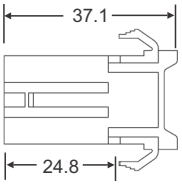
Mounting Hole



Gang Mount Option



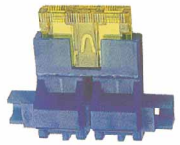
Fuse Holder Body



AUTO FUSE IN-LINE HOLDER

PROLEC

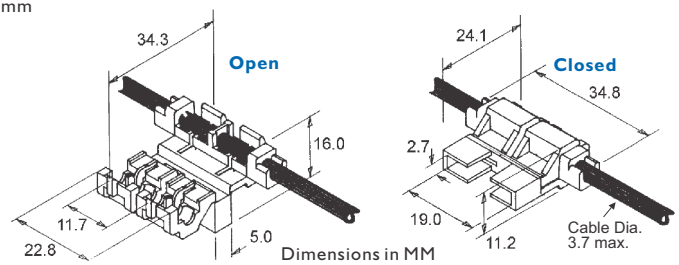
Easy to install. Simply locate fuse holder at a convenient spot along the wire between power source and the appliance. Use pliers to crimp fuse holder closed around wire to pierce insulation automatically.





Part Number	Description
FH-302	20A Fuse holder.

Voltage: 32V
Body: Royal blue polypropylene
Terminals: Self stripping
Wire: 0.8-2.0mm² (#18-14AWG).
Maximum Cable Outer Dia: 3.7mm
Contacts: Nickel plated brass
Pack Size: 10, 100, 1000
Notes: Fuse is not included.



Dimensions in MM

RELATED PRODUCTS:



Auto Fuse
(see p.17)



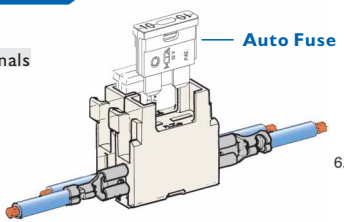
LED Auto Fuse
(see p.17)

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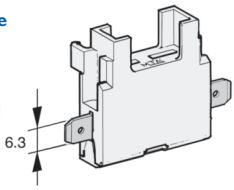
AUTO FUSE IN-LINE HOLDER

Part Number	Description
00341	Fuse holder with 1/4" QC Terminals
00352	Fixing plate includes screw.

Rating: 20A **Voltage:** 32V
Body: White PA 66
Feature: Gangable. Fuse holders interlock.
Pack Size: 1, 10, 100
Notes: Fuse is not included.



Gangable Feature



Fuse Holder with 1/4" 6.3mm QC Terminals



RELATED PRODUCTS:



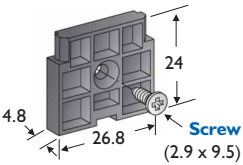
Auto Fuse (see p.17)



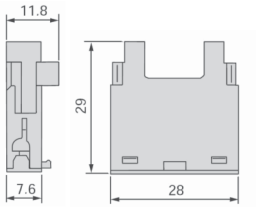
LED Auto Fuse (see p.17)



Fuse Holder with Fuse and Fixing Plate



Fixing Plate



Dimensions in MM

AUTO FUSE IN-LINE HOLDER (PANEL MT)

Part Number	Description
00330	Fuse holder with 1/4" Q.C Terminals
00357	Secondary terminal lock (optional)

Rating: 20A **Voltage:** 32V
Body: Black PA 66.
Body Options: Also available without terminals (#00331).
Terminals 1/4" Q.C (Standard): 1/4" (#07501BK)
Terminals Crimp Type (Optional): See page 78.
0.5 to 1.5mm², 2 to 3mm², 4 to 6mm².
Fuse Holder Pack Size: 1, 10, 100
Secondary Lock Pack Size: 250 (indent)
Notes: Fuses & circuit breakers are not included.



Fuse Holder with Bladed Breaker

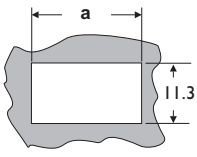


Fuse Holder with Auto Blade Fuse

Panel Mounting Dimensions (mm)

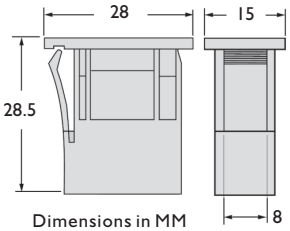
a	b
21.9	0.8
22.0	1.0
22.1	1.5
22.2	2.0

Mounting Hole



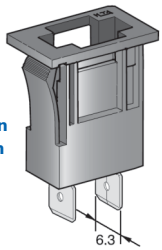
Panel Thickness





Dimensions in MM

Snap In Design



1/4" Q.C Terminals

RELATED PRODUCTS:



Auto Fuse (see p.17)



LED Auto Fuse (see p.17)



Auto Breaker (see p.49)



Secondary Terminal Lock (Optional)



1/4" QC Terminal (Standard)



Crimp Terminals (Optional)

AUTO FUSE IN-LINE HOLDERS WITH COVER

Littelfuse

IP67
IGNITION PROTECTED

Part Number	Description
FHAC001	20A with cover, 1.3mm² (#16AWG) Black
FHAC002	30A with cover, 3.3mm² (#12AWG) Orange

Voltage: 32V-58V
Wire: 125°C rated, GXL wires, Tinned stranded copper
Body: Black thermoplastic
Ignition Proof: UL94
Ignition Protection: V-2 / V-0
Ingress Rating: IP67
Feature: Cover dustproof & waterproof.
Pack Size: 1, 10, 100, 1000
Approvals: RoHS



FHAC001



FHAC002

RELATED PRODUCTS:



Auto Fuse
(see p.17)



Auto Fuse 58V
(see p.16)



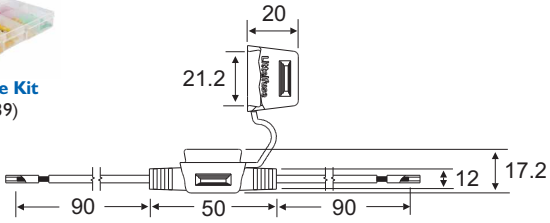
Auto Fuse Kit
(see p.39)



Butt Splice Connectors
(see p.188)



Female Insulated Disconnects
(see p.188)



Dimensions in MM

AUTO FUSE IN-LINE HOLDERS CLEAR

PROLEC

NEW
IP66

FHAC00xCLR is a transparent inline fuse holder with protective cap that when used with a LED indicating auto blade fuse lights up when a fuse is blown.



Normal State Fuse

Part Number	Description
FHAC001CLR	20A with clear cover, 1.3mm² (#16AWG)
FHAC002CLR	30A with clear cover, 3.3mm² (#12AWG)

Voltage: 32V
Body: Transparent thermoplastic
Wire Length: 2 x 130mm lengths of wire
Feature: Cover is splash proof
Pack Size: 1, 10, 100, 1000
Approvals: RoHS



Blown Fuse Lights Up

RELATED PRODUCTS:



LED Auto Fuse
(see p.17)



LED Auto Fuse Pack
(see p.36)



LED Auto Fuse Kit
(see p.39)

FUSE HOLDERS

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AUTO FUSE IN-LINE HOLDERS WATERPROOF

PROLEC

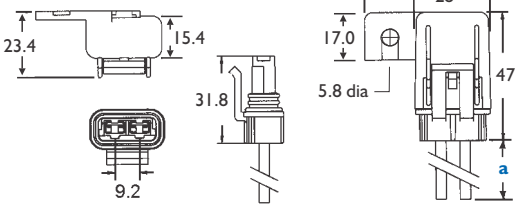
IP67

Features:
- The lid features a tight snap lock feature and a mounting hole.
- The base features weatherproof seals for both the top and bottom.
- Ingress Protection rating of IP67.
- 2 x Pre-terminated and sealed lengths of wire included.



Part Number	Description
HHR	30A with 130mm (5") long wire
HHRL	30A with 305mm (12") long wire NEW

Voltage: 32V
Cover: Snap locking cover includes mounting hole.
Body Seals: Silicone gasket and cable seal.
Pack Size: 1, 10, 100
Wire: 3.0mm² (#12AWG).
Notes: Fuse is not included.
Approvals: RoHS



Dimensions in MM

a = 130mm # HHR
a = 305mm # HHRL

RELATED PRODUCTS:



Auto Fuse
(see p.17)



LED Auto Fuse
(see p.17)

FUSE / BREAKER IN-LINE HOLDER WATERPROOF

PROLEC

IP67

Features:
- Clear cover is allows visual identification of circuit protection device.
- Clear cover alerts a problem to the user when an LED indicating fuses is blown.
- The fuse holder suits multiple blade fuse types.
- The fuse holder extended cap also suits various bladed circuit breaker types.
- The lid features a tight snap lock feature and a mounting hole.
- The base features weatherproof seals for both the top and bottom IP67.
- Extra long 2 x 305mm / 12" lengths of wire included.

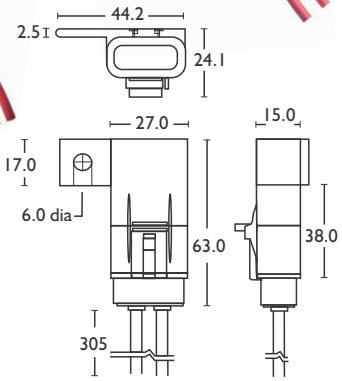


305mm (12") Cables



Part Number	Description
FHU002L	30A with Extended Cover

Voltage: 32V
Body: Black waterproof inline fuse holder.
Body Seal: Silicone gasket.
Cover: Clear cover with lock and mounting hole.
Suits: Mini, LED Mini, Auto and LED Auto Blade Fuses, Mini and Auto Bladed Circuit Breakers.
Wire: 3.0mm² (#12AWG).
Wire Length: 2 x 305mm / 12" lengths of wire.
Pack Size: 1, 10, 100, 500
Notes: Fuse & breakers are not included.
Approvals: RoHS



Dimensions in MM

RELATED PRODUCTS:



Mini Fuse & LED Mini Fuse
(see p.15)



Mini Breaker
(see p.48)



Auto Fuse & LED Auto Fuse
(see p.17)



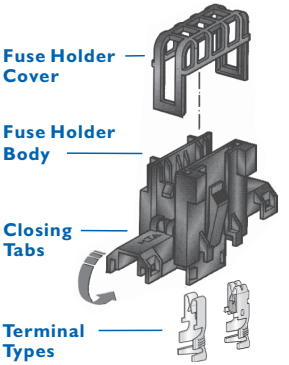
Auto Breaker
(see p.49)

AUTO FUSE IN-LINE HOLDERS

MTA

Part Number	Fuse Holder Kits Include;	Pack Size	
00400K1	00400, 00415, 00430 & 2 x 07920BK	1, 10, 100	NEW
00400K2	00400, 00415, 00430 & 2 x 07930BK	1, 10, 100	NEW
00400K3	00400, 00415, 00430 & 2 x 07940BK	1, 10, 100	NEW

Part Number	Individual Component Ordering	Pack Size
00400	Fuse holder body black	1, 10, 100
00415	Fuse holder cover black	1, 25, 100
07900BK	Terminal 0.5 to 1.5mm² (RL*)	10, 20, 100
07912RL	Terminal 2 to 3mm² (RL)	10, 20, 100
07901BK	Terminal 4 to 6mm² (RL*)	10, 20, 100
07920BK	Terminal 0.5 to 1.5mm² + Clip (RL*)	10, 20, 100
07930BK	Terminal 2 to 3mm² + Clip (RL*)	10, 20, 100
07940BK	Terminal 4 to 6mm² + Clip (RL*)	10, 20, 100
00392	Fixing plate snap mount	1, 10, 100
00430	Fixing plate single screw, M5	1, 10, 100
00440	Fixing plate dual screw, M5	1, 10, 100



Terminal Options: BK = Bulk pack, RL = *Reel Pack MOQ applies.
Accessories: Snap lock fixing plate and bracket accessories.
Features: Gangable. Lateral fixing. **Approvals:** RoHS

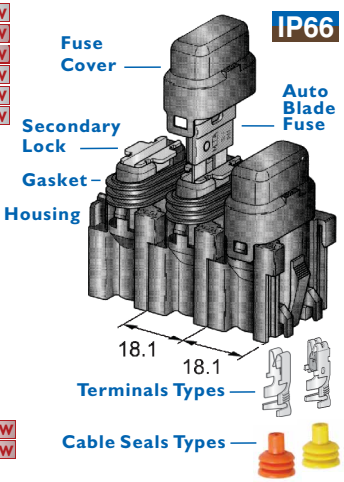
Scan this QR Code for more information

QR Code: 7001

AUTO FUSE IN-LINE HOLDERS SPLASH PROOF

Part Number	Fuse Holder Kits Include;	Pack Size	
50153K	02330, 00392 & 2 x 07920BK.	1, 10, 100	NEW
50153K1	02330, 00392, 2 x 07920BK & 2 x 4507770	1, 10, 100	NEW
50153K2	02330, 00392, 2 x 07930BK & 2 x 4507771	1, 10, 100	NEW
02330K1	02330, 00430, 2 x 07920BK & 2 x 4507770	1, 10, 100	NEW
02330K2	02330, 00430, 2 x 07930BK & 2 x 4507771	1, 10, 100	NEW
02330K3	02330, 00430, 2 x 07940BK & 2 x 4507771	1, 10, 100	NEW

Part Number	Individual Component Ordering	Pack Size	
02330	Housing w/secondary lock, gasket & cover	1, 10, 100	
07900BK	Terminal 0.5 to 1.5mm² (RL*)	10, 20, 100	
07912RL	Terminal 2 to 3mm² (RL)	10, 20, 100	
07901BK	Terminal 4 to 6mm² (RL*)	10, 20, 100	
07920BK	Terminal 0.5 to 1.5mm² + Clip (RL*)	10, 20, 100	
07930BK	Terminal 2 to 3mm² + Clip (RL*)	10, 20, 100	
07940BK	Terminal 4 to 6mm² + Clip (RL*)	10, 20, 100	
4507770	Cable seal for 0.5 - 1.5 mm² wire, orange	10, 20, 100	
4507771	Cable seal for 2.0 - 3.0 mm² wire, yellow	10, 20, 100	
00392	Fixing plate snap mount	1, 10, 100	
00430	Fixing plate single screw, M5	1, 10, 100	
00440	Fixing plate dual screw, M5	1, 10, 100	
00697	Surface mount bracket, slide lock, male	1, 10, 100	NEW
00698	Surface mount bracket, slide lock, female	1, 10, 100	NEW



Body: Black PA 66 **Terminal Options:** BK = Bulk pack, RL = *Reel Pack MOQ applies.
Cable Seal: Self lubricating silicone rubber.
Ingress Protection Rating: IP66 (Valid when properly installed with components).
Features: Gangable. Lateral fixing. **Accessories:** Snap lock fixing plate & bracket accessories.
Notes: Secondary lock available in various colours to match fuse colour identification.
Approvals: RoHS

Scan this QR Code for more information

QR Code: 7004

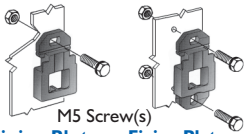
RELATED PRODUCTS:



Auto Fuses (see p.17)



LED Auto Fuses (see p.17)



Fixing Plate (Single)

Fixing Plate (Dual)



Fixing Plate (Snap Mount)



Surface Mounting Brackets (M/F)

PROLEC

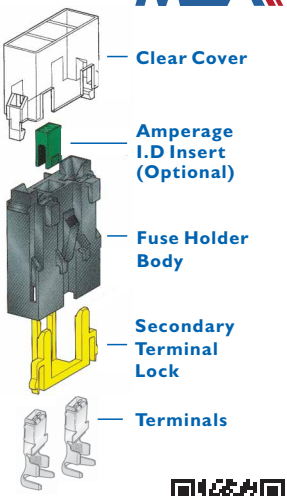
Email: info@prolecproducts.com.au
Web: www.prolecproducts.com.au

MAXI FUSE IN-LINE HOLDERS

Part Number	Fuse Holder Kits Include;	Pack Size	
01001K	00390, 00391, 00430 & 2 x 07650BK	1	NEW
01001K2	00390, 00391, 00430 & 2 x 07660BK	1	NEW
01001K3	00390, 00391, 00430 & 2 x 07670BK	1	NEW

Part Number	Individual Component Ordering	Pack Size
00390	Fuse holder body black w/terminal lock	1, 10, 100
00391	Clear fuse cover	1, 10, 100
07650BK	Terminal 1.5 to 2.5mm² (RL*)	10, 20, 100
07660BK	Terminal 4 to 6mm² (RL*)	10, 20, 100
07670BK	Terminal 8 to 10mm² (RL*)	10, 20, 100
07671BK	Terminal 16mm² (RL)	10, 20, 100
00392	Fixing plate snap mount	1, 10, 100
00430	Fixing plate single screw, M5	1, 10, 100
00440	Fixing plate dual screw, M5	1, 10, 100

Terminals Options: BK = Bulk Pack, RL = Reel Pack
Accessories: Optional I.D inserts - colour coded with rating embossed.
Features: Gangable, lateral fixing & snap lock fixing plate accessories.
Note: Fuse is not included with this holder.
Approvals: RoHS



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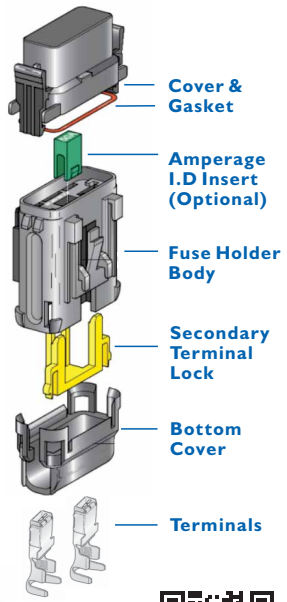
QR Code: 7005

MAXI FUSE IN-LINE HOLDERS SPLASH PROOF

Part Number	Fuse Holder Kits Include;	Pack Size	
01005K	21210, 21000, 21200 & 2 x 07660BK	1	
01005K2	21210, 21000, 21200, 00430 & 2 x 07660BK	1	NEW
01005K3	21210, 21000, 21200, 00430 & 2 x 07670BK	1	NEW

Part Number	Individual Component Ordering	Pack Size
21210	Cover with gasket inserted	1, 10, 100
21000	Fuse holder body black w/terminal lock	1, 10, 100
21200	Bottom cover black PA 66	1, 10, 100
07650BK	Terminal 1.5 to 2.5mm² (RL*)	10, 20, 100
07660BK	Terminal 4 to 6mm² (RL*)	10, 20, 100
07670BK	Terminal 8 to 10mm² (RL*)	10, 20, 100
07671BK	Terminal 16mm² (RL*)	10, 20, 100
00392	Pressure fixing dual pin	1, 10, 100
00430	Fixing plate single screw, M5	1, 10, 100
00440	Fixing plate dual screw, M5	1, 10, 100
00697	Surface mount bracket, slide lock, male	1, 10, 100
00698	Surface mount bracket, slide lock, female	1, 10, 100

Terminal Options: BK = Bulk Pack, RL = *Reel Pack MOQ applies.
Accessories: Optional I.D inserts - colour coded with rating embossed.
Features: Gangable, lateral fixing and snap lock fixing plate accessories.
Cable Note: Max. cable size is 6mm² when using bottom cover.
Max. cable size is 16mm² when not using bottom cover.
Note: Fuse is not included with this holder.
Approvals: RoHS



Scan this QR Code for more information

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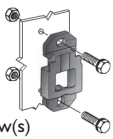
RELATED PRODUCTS



Maxi Fuses (see p.18)



Fixing Plate (Single)



Fixing Plate (Dual)



Fixing Plate (Snap Mount)



Mounting Brackets (M/F)

MAXI FUSE IN-LINE HOLDERS - GANGABLE

Littelfuse

Part Number	Fuse Holder Kits Include:
152001KIT1	1 x fuse holder body, 1 x clear cover, 2 x screws, 4 x washers & 2 x terminals (2.5 - 6mm²)
152001KIT2	1 x fuse holder body, 1 x clear cover, 2 x screws, 4 x washers & 2 x terminals (5 - 10mm²)

Part Number	Individual Component Ordering
152001	Maxi fuse holder black body 01520001
152900	Protective clear fuse holder cover 01520900
913-550	M5 x 8 Screw, split washer and flat washer
913-653	Ring tongue terminal, 2.5 - 6mm² (#12-10AWG)*
913-654	Ring tongue terminal, 5.0 - 10mm² (#10 - 8AWG)*

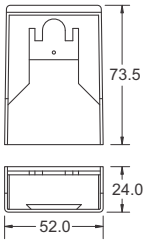


Rating: 60A **Voltage:** 32VDC
Terminals: Copper alloy **Cover:** Translucent thermoplastic
Body: Thermoplastic (UL 94HB), **Ignition Protection:** V-2
Feature: Only 2 fuse blocks may be ganged together with a maximum fuse rating of 50A per block.
Notes: This product will only accept original Littelfuse Maxi blade fuses (299 / 999 series). Fuse is not included.
*It is recommended that cross linked polyethelene (GLX) insulated wire be used. Contact sales for more information.

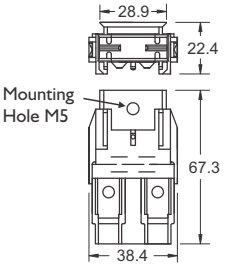
RELATED PRODUCTS:
Maxi fuse see page 18
LED Maxi fuse see page 18



Fuse Holder Cover



Fuse Holder Body



Dimensions in MM

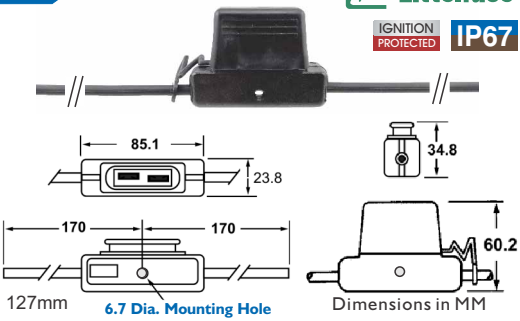
MAXI FUSE IN-LINE HOLDER SPLASH PROOF

Littelfuse

IGNITION PROTECTED IP67

Part Number	Description
MAHC0001	Fuse holder with black cover

Rating: 60A **Voltage:** 32VDC
Wire: 2 x 127mm leads of 13mm² #6AWG black.
Ignition Protection: V-2
Ignition Proof: UL-94
Pack Size: 1, 10, 100
Feature: Protective cover permits use in harsh under hood environments. Mounting hole also permits easy bulkhead installation. Permits 2 or more holders to be mounted together.
Approvals: RoHS



Dimensions in MM

MAXI FUSE IN-LINE HOLDERS SPLASH PROOF

PROLEC

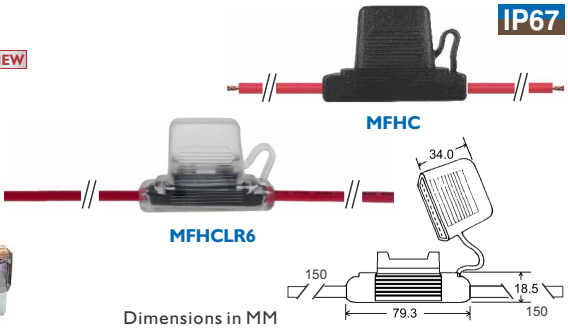
IP67

Part Number	Description
MFHC	Fuse holder with black cover
MFHCLR6	Fuse holder with clear cover NEW

Rating: 60A **Voltage:** 32VDC
Wire: 2 x 150mm leads of 13mm² #6AWG red.
Body Material: PVC
Pack Size: 1, 10, 100
Notes: Protective cover permits use in harsh under hood environments. The clear cover allows LED Maxi fuses to be clearly seen.

RELATED PRODUCTS:
Maxi fuse see page 18
LED Maxi fuse see page 18





Dimensions in MM

PROLEC

Email: info@prolecproducts.com.au
Web: www.prolecproducts.com.au

JCASE FUSE IN-LINE HOLDER SPLASHPROOF

Littelfuse

IP67

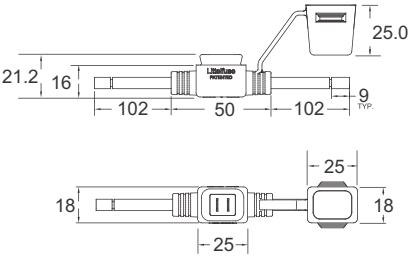
58V

Features:
- Suit either Low Profile JCASE™ fuses (LJC) or standard JCASE fuses (JTF).
- They offer size and weight savings compared to MAXI™ fuse holders.
- Include a protective cover for splash resistance.
- Fuse links are compact and incorporate a design advantage over blade fuses. Over time the spring clips that hold blade fuses will weaken. In cartridge fuses, the weaker female part is designed into the disposable fuse so that the grip and electrical connection will never weaken.



Part Number	Description
FHJC1002	Fuse holder with black cover

Rating: 60A
Voltage: 58VDC
Wire Thickness: #8AWG
Cable Insulation: GXL, 125°C
Operating Temperature Range: -40°C to +125°C
Max Fuse Insertion Force: 49 Nm
Pack Size: 1, 10, 50, 100, 250
Approvals: RoHS



Dimensions in MM

RELATED PRODUCTS:



Low Profile Jcase
(see page 20)



Jcase
(see page 21)

MIDI FUSE IN-LINE HOLDER WITH COVER

Littelfuse

58V

Features:
- Designed for use with bolt-down Midi fuses.
- May be installed directly inline with the cables with no mounting required.
- Can be used with heat shrink tubing for applications requiring more splash resistance. The curved design of the cover aids in prevention of tube-splitting during application.



Part Number	Description
04980921GXM5	Fuse holder with black cover

Rating Continuous: 150A, **Rating Max:** 200A
Voltage: 58VDC
Operating Temperature Range: -40°C to +125°C
Max. Wire Size: 20mm²
Base/Cover Material: UL 94V-0 glass-filled nylon
Studs: Zinc plated steel M5 x 0.8
Stud Torque Rating: 5Nm
Hardware: Nylock Zinc-plated steel nuts (included).
Pack Size: 1, 10, 100
Notes: Midi fuse is not included.
Approvals: RoHS

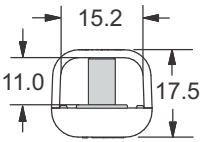


Assembled Holder

RELATED PRODUCT:

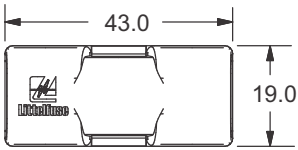


Midi Fuse
(See page 24)



Side View

Dimensions in MM



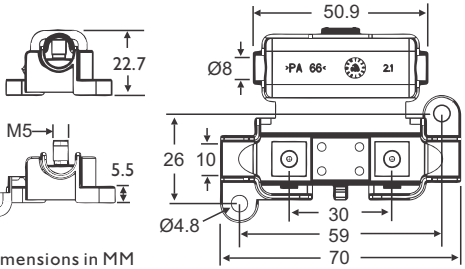
Top View

MIDI FUSE BLOCK

Part Number	Description
MIDFBB	Midi Fuse Block with Hinged Cover

Rating: 125A **Voltage:** 32VDC
Body & Cover: Black PA66.
Accessories: Includes cover & flanged nuts.
Studs: M5 threaded studs. Steel / Zinc plated.
Torque Rating: 4.5 Nm
Features: Inline or surface mounting options.
Pack Size: 1, 10, 100, 500
Notes: Midi fuse is not included.
Approvals: RoHS



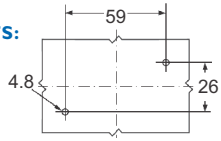


Dimensions in MM

RELATED PRODUCTS:



Midi Fuse
(See page 24)



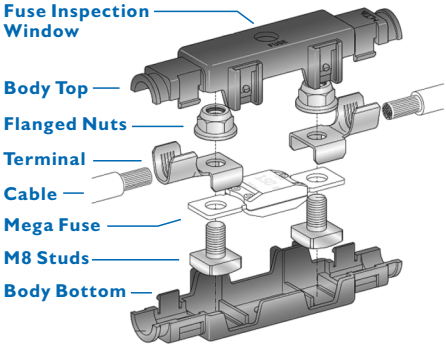
Mounting Diagram

MEGA FUSE IN-LINE HOLDERS

Part Number	Kit Description
00380K0	Fuse holder, M8 bolts, nyloc nuts and 2 x 00395 snap mount fixing plates.
00380K1	Fuse holder, M8 bolts, nyloc nuts and 2 x 10-20mm² terminals only. 90A
00380K2	Fuse holder, M8 bolts, nyloc nuts and 2 x 25-35mm² terminals only. 100A
00395	Snap mount fixing plate 6.5mm hole.

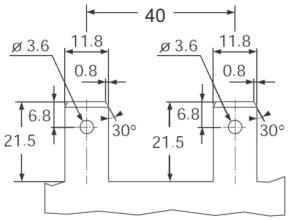
Voltage: 32V
Body: PA66-GF30 HB
Studs: Steel M8 x 14. **Torque Rating:** 11 Nm
Pack Size: 1, 10, 50, 100, 500
Note: Mega fuse & fixing plates not included.

NEW IP20

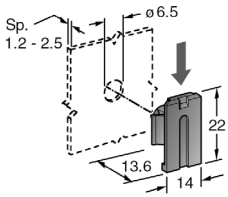


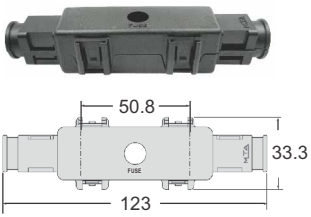
Suits wires up to 32mm²

Lateral Fixing Plate



Snap Mount Fixing Plate
Slide locks to holder.
Snaps into to panel hole.





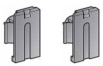
RELATED PRODUCTS:



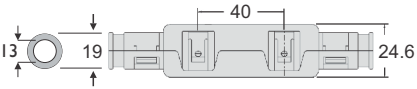
Mega Fuses
(See p.25)



M8 Tubular Terminals
16mm² , 25mm²
(see p.188)



Fixing Plates
2pcs required per holder



Dimensions in MM

PROLEC
Email: info@prolecproducts.com.au
Web: www.prolecproducts.com.au

BLADE FUSE ADD-A-CIRCUIT HOLDERS & KITS

PROLEC

NEW

Create a new fuse protected circuit by tapping into an existing fuse circuit.
Perfect for adding accessories. Simply plug the add a circuit holder into an existing energized fuse-block slot and insert the original fuse into slot (A) to continue protecting the original circuit. Finally insert a new fuse into slot (B) to protect the new accessory circuit powered by the included lead.

Tap Only Bulk Pack	Tap & Fuse Kit Retail Clam Shell	
Part Number	Part Number	Suits Blade Fuse Types
FHC200	FHC200K	Micro2 / ATR 32V
FHL200	FHL200K	Low Pro Mini / LP ATM 58V
FHM200	FHM200K	Mini / ATM 32V
FHA200	FHA200K	Auto / ATC 32V
FHD200	FHD200K	Micro3 / ATL 32V





(Micro2 Fuse) FHC200

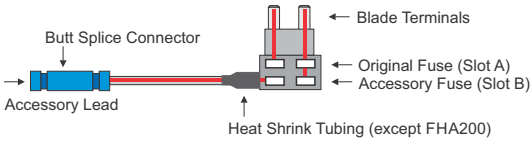
Rating: 10A max installation rating.
Wire: 1mm² #16AWG red wire.
Terminal: Hardened brass crimp-type coupler.
Tap Only Bulk Pack: Includes Fuse Tap Only. No Fuses.
Tap & Fuse Kit Packaging: Includes Add-a-circuit & 3 spare fuses.
Ratings included are 5A, 7.5A & 10A.
Important Note: Please ensure the gauge of the cable powering the original fuse is suitable for the additional current draw of the new circuit.
Pack Size: 1, 10, 100, 500, 1000
Approvals: RoHS



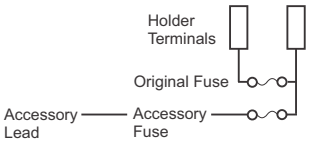


(Low Pro Mini) FHL200

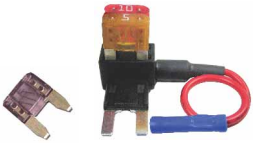
Add-a-Circuit: 2 Terminal Blade Fuse Type.



Circuit Diagram # FHC200, FHL200, FHM200, FHA200







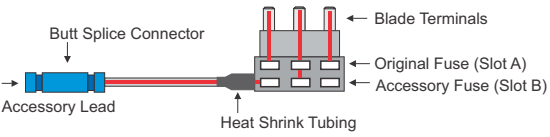
(Mini Fuse) FHM200



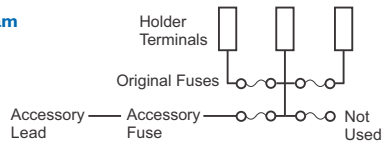


(Auto Fuse) FHA200

Add-a-Circuit: 3 Terminal Blade Fuse Type.



Circuit Diagram # FHD200





Tap & Fuse Kits



(Micro3 Fuse) FHD200

Scan this QR Code for more information

QR Code: 7014

FUSE HOLDERS

BLADE FUSE TAP KITS

Taps into existing blade fuse by fitting over the leg for additional non-fused circuit.

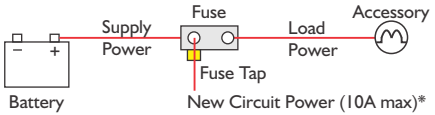
Part Number	Kit Includes Instruction Sheet Plus;
MIN-TAPSP	5x Mini blade fuse taps, 5x insulated female terminals.
ATOF-TAPSP	5x Auto blade fuse taps, 5x insulated female terminals.



Fuse Tap Insulated Terminal

Rating: 10A Max.
Notes: Always install an inline fuse holder to protect the accessory. Fuses not included.
Pack Size: 1, 10, 100

CIRCUIT DIAGRAM

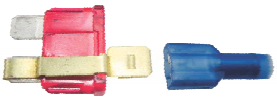




PACKAGING
'SP' Spare Pack
Retail Clamshell



Mini Tap Terminals: 2.8mm (1.87")

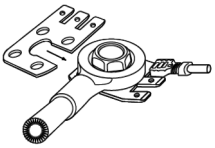


Auto Tap Terminals: 5.8mm (1/4")

3 CIRCUIT BATTERY POWER FEED / GROUND TAPS

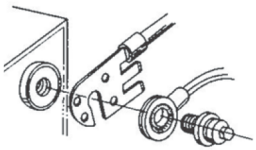
EATON Bussmann

A quick, easy and reliable method of attaching additional electrical cables to a battery terminal or to ground. They can be stacked to provide multiple taps at one location.
Battery Application: Once mounted on the battery terminal, the tap provides three 6.35mm (1/4") quick connect terminals that can be used to power accessory products.
Grounding Application: Once mounted onto the frame, the tap provides three 6.35mm (1/4") quick connect terminals that can be used to ground accessory products.
Terminals: 3 x 6.35mm (1/4" QC)
Note: Always install an inline fuse holder to protect the accessory.
Pack Size: 1, 10, 100



Stacked Battery Taps

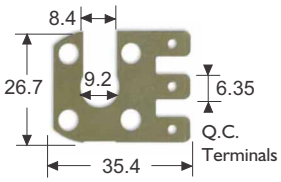
Part Number	Suits Battery Terminals
BAT-TAP	Screw Type
BAT-TAP-POST	Post Clamp



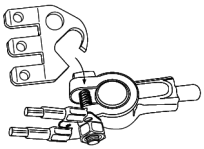
Battery Screw Mounting



Frame Ground Mounting



BAT-TAP



Battery Post Mounting



Frame Grounding Mounting



BAT-TAP-POST

RELATED PRODUCTS:



Blade Fuses
(see p13 - 17)



Inline Blade Fuse Holders
(see p.72 - 77)



Disconnect Terminals
(see p.188)



Butt Splice Terminals
(see p.188)

PROLEC
Email: info@prolecproducts.com.au
Web: www.prolecproducts.com.au

BLADE FUSE SOCKET CONNECTORS

Features:
- Check current draws.
- Check short / open circuits.
- Check voltage.
- Tap power to energize 30A max.

Circuit Diagram



Part Number	Socket Terminal Type
FSC-MINI	Mini Blade 2.8mm Terminals
FSC-AUTO	Auto Blade 6.35mm Terminals

Pack Size: 1, 10, 100

RELATED PRODUCTS:



Disconnect Terminals
(see p.188)

NEW

Terminal Barrier

1/4" Connector Tab Fit to Jumper Leads, Alligator Clips or Multi-meter Test Leads.

Socket Blade Terminal



FSC-MINI



FSC-AUTO

BLADE FUSED SOCKET CURRENT LOOP KIT - 2pcs

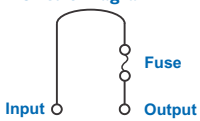
NEW

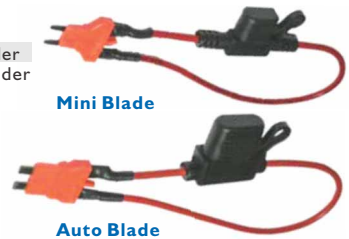
The blade fused socket current loop kit provides end user easy testing access when using a current probe to determine the amperage draw through a fused circuit. Maximum testing range is up to 30 Amp. The Perfect tool for installer who needs to monitor circuit amperage limits.

Part Number	Kit Contains Both Units
FSCL-KIT	1 x Mini Blade Socket 2.8mm terminals & Mini Fuse Holder 1 x Auto Blade Socket 6.35mm terminals & Auto Fuse Holder

Pack Size: 1, 10, 100
Notes: Fuse not included.

Circuit Diagram





Mini Blade

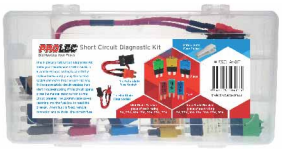
Auto Blade

FUSE SOCKET SHORT CIRCUIT DIAGNOSTIC KIT - 17pcs

NEW

This 17pc circuit diagnostic kit enables professional mechanics to troubleshoot short circuits in a vehicle without the need to constantly replace fuses. Simply plug the correct socket connector into the fuse slot and fit the appropriate circuit breaker, then start troubleshooting. Mechanics will be able to use the manual reset button on the circuit breaker during the troubleshooting process to reset the breaker instead of replacing a new fuse. Each socket connector has an extension cable to save the user having to reach down into difficult locations where the fuse box is located every time a reset is required. Once the short circuit has been fixed, simply remove the connector and reinstall the correct fuse.

Part Number	Kit Contains - 17pcs
FSCLA-KIT	1 x Mini blade socket connector & mini blade breaker housing. 1 x Auto blade socket connector & auto blade breaker housing. (Each unit is 280mm long with 12AWG red cable). 7 x Mini blade manual reset circuit breakers Type III. Ratings include: 5A, 7.5A, 10A, 15A, 20A, 25A, 30A 7 x Auto blade manual reset circuit breakers Type III. Ratings include: 5A, 7.5A, 10A, 15A, 20A, 25A, 30A 1 x Fuse puller. Extracts mini & auto blade fuses from fuse box.





Fuse Puller



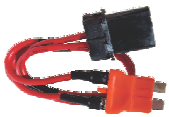
Mini Blade Circuit Breakers



Auto Blade Circuit Breakers



Mini Blade Socket With Cable



Auto Blade Socket With Cable

MICRO2 FUSE BLOCKS LATERAL CONNECTION

Bussmann

Part Number	No. Poles	Max Amps / Block	Block Dimensions
FB4-ATR	4 Pole	30A	83(L) x 45(W) x 38.5(H)
FB6-ATR	6 Pole	45A	103(L) x 45(W) x 38.5(H)
FB8-ATR	8 Pole	60A	123(L) x 45(W) x 38.5(H)
FB10-ATR	10 Pole	90A	143(L) x 45(W) x 38.5(H)

NEW

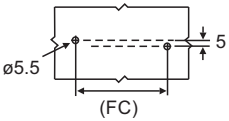
IPX4



FB4-ATR

Voltage: 32V
Circuit Rating: 15A max per circuit
Cover: Clear with o-ring seal
Block: Moisture resistant back plate
IP Rating: IPx4 (Splash proof)
Terminals: Lateral 1/4" QC (6.25mm).
Mounting: Surface mount, M5 screw.
Pack Size: 1, 5, 50.
Notes: Fuses not included. RoHS

Mounting Diagram



Fixing Centers
4 Pole - 65.5mm
6 Pole - 85.5mm
8 Pole - 105.5mm
10 Pole - 125.5mm



FB6-ATR



RELATED PRODUCTS: **Micro2 Fuses** (see p.13)

MINI FUSE BLOCK AXIAL CONNECTION

MTA

Features:
- Up to 7 x Mini fuse protected circuits & space to store 3 x spare fuses.
- Compact design for mounting in tight spaces using cable ties.
- Kit includes plenty of terminals in 3 different sizes to suit a wide range of cable sizes.
- Hinged cover protects fuses from the elements. Inside legend identifies the circuits.

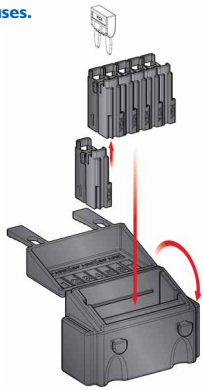


Use cable ties through side slots to secure fuse holder to vehicle.

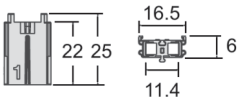
Part Number	Kit Description
01435K	Mini Fuse Block Kit Includes; 1 x 01430 7 Way Frame 7 x 01420 Mini Fuse Housings 16 x 08330BK Terminals (0.35 - 0.75mm²) 16 x 08331BK Terminals (1.0 - 2.0 mm²) 16 x 08332BK Terminals (2.5 to 4.0mm²)

Voltage: 32V
Body: Black rubber (PA 66 GF30)
Terminals: Tin plated copper. BK = Bulk Pack.
Pack Size: 1, 250, 400
Notes: Cable ties and fuses not included.
Approvals: RoHS

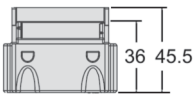
Storage for 3 spare fuses.

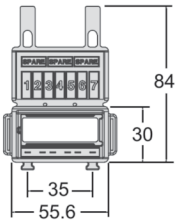


Fuse Housing



Fuse Frame





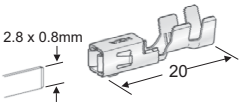
Dimensions in MM

RELATED PRODUCTS:



Mini Fuses (see p.15)

Female Terminal



PROLEC
Email: info@prolecproducts.com.au
Web: www.prolecproducts.com.au

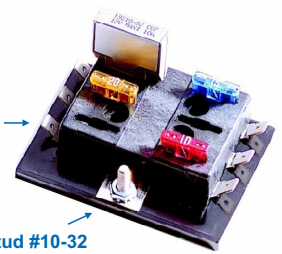
AUTO FUSE & BLADED BREAKER PANELS

EATON Bussmann

This panel is designed for use with Auto fuses &/or Auto Bladed Circuit Breakers. It can be ordered with a minimum of 4 positions up to a maximum of 20 positions (in multiples of 2). You can also order the panel with a Ground Terminal Pad (GTP) fitted. The GTP features 12 x 1/4" (6.35mm) Q.C. terminals with a common wiring stud.

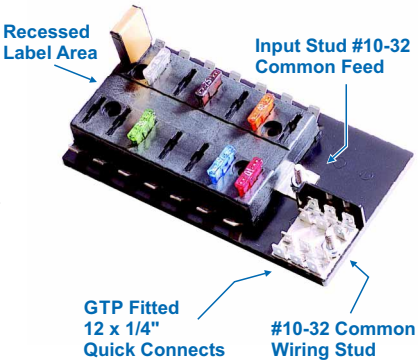
Short Base GTP not Fitted Part Number	Long Base GTP is Fitted Part Number	Number of Positions
15600-04-20	15600-04-21	4
15600-06-20	15600-06-21	6
15600-08-20	15600-08-21	8
15600-10-20	15600-10-21	10
15600-12-20	15600-12-21	12
15600-14-20	15600-14-21	14
15600-16-20	15600-16-21	16
15600-18-20	15600-18-21	18
15600-20-20	15600-20-21	20

Short Base Without GTP



Voltage: 32V
Input Stud Terminal Rating: 100A max total.
Output Terminal Rating: 30A max per circuit.
Positions: 4 to 20 circuits available
Materials: Black thermoplastic
Input Stud: #10-32 threaded stud.
Hardware: Nut and lockwasher supplied on input terminal.
Output Terminals: 6.35mm x 0.8mm Q.C. terminals.
Wire Size: #4-6 AWG (Input), #12-16 AWG (Output).
Feature: Recessed area in centre of block for identification label.
Pack Size: Stock lines 1pc. Indent items 35pcs.
Notes: *When ordering with a GTP fitted, please add 33mm to dimension 'L' for actual overall length.) Plug-in components such as fuses and breakers not included.
Dual Supply Option: RTA fuse panels can also be ordered with 2 power input studs (dual power feed). Choose from 4-16 fuse/breaker positions for each input stud (20 positions total per panel). Please contact sales for further information.

Long Base With GTP

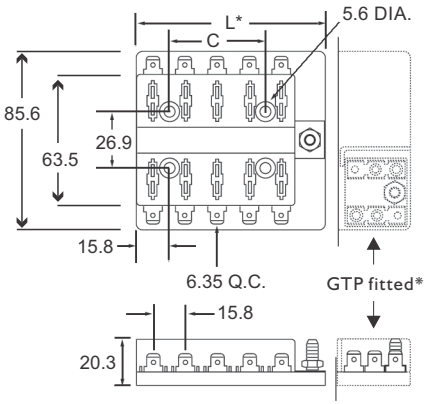




Retail Pack Option
15600-06-20SP

Total Nbr Positions	Dimensions in MM C	L*
4	-	46.8
6	15.8	62.8
8	31.8	78.5
10	47.5	95.3
12	63.6	110.3
14	79.3	126.3
16	95.6	142.1
18	111.1	158.1
20	127.1	173.9

Single Stud, Single Supply Circuit



RELATED PRODUCTS:



Auto Fuses
(see p.17)



LED Auto Fuses
(see p.17)



Auto Bladed Breakers
(see p.49 - 51)

AUTO FUSE BLOCKS LATERAL CONNECTION

MTA

Features:
- Clear plastic cover for fast visual confirmation of fuse amp rating.
- Easy identification of blown fuses when LED indicating Auto fuses are installed.
- Gasket included with cover.

IPX4

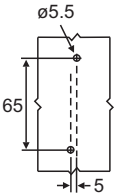
Part Number	No. Poles	Max Amps Per Block
00610K	4 Pole	80A
00600K	6 Pole	100A
00590K	8 Pole	135A



Lateral Connection
1/4" Quick Connects

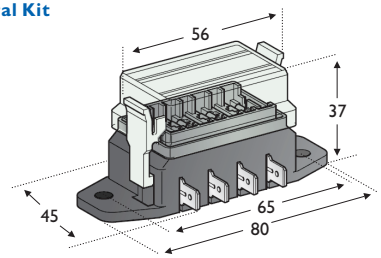
Voltage: 32V
Input Terminal Rating: 20A max. per circuit.
Body: Black PA66 GF30
Cover: Transparent cover with gasket. Material PA12.
Terminals: Lateral connections, 6.35mm (1/4") QC terminals.
Kit Contents: Fuse cover, base & QC terminals.
Mounting: M5 screw
Pack Size: 1, 10, 100, 500
Notes: Each fuse branch is independently powered.
Fuses are not included.
Approvals: RoHS

Mounting Diagram - 00610K

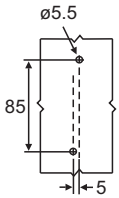




4 Way Lateral Kit

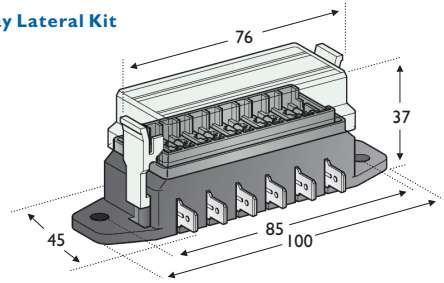


Mounting Diagram - 00600K

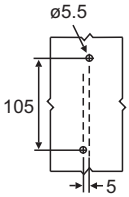


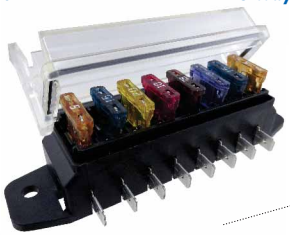


6 Way Lateral Kit

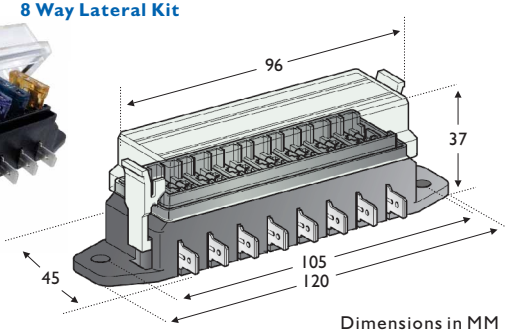


Mounting Diagram - 00590K





8 Way Lateral Kit





RELATED PRODUCTS: **Auto & LED Auto Fuses** (see p.17)

Dimensions in MM

PROLEC

Email: info@prolecproducts.com.au
Web: www.prolecproducts.com.au

AUTO FUSE BLOCKS AXIAL CONNECTION

Features:
- Clear plastic cover for fast visual confirmation of fuse amp rating.
- Easy identification which amperage Auto fuses are installed.
- Easy identification of blown fuses when LED indicating Auto fuses are installed.

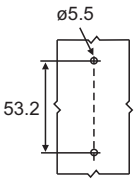
Part Number	No. Poles	Max Amps Per Block	Included Terminals
00540K	4 Pole	80A	8 x 07501
00560K	6 Pole	100A	12 x 07501
00580K*	8 Pole	135A	16 x 07501

Voltage: 32V
Input Terminal Rating: 20A max. per circuit.
Body: Black PA66 GF30
Cover: Transparent cover. *00580K cover features a gasket.
Terminals: 6.35mm (1/4") Quick Connect terminals. # 07501BK.
Kit Contents: Fuse cover, base & QC terminals.
Mounting: M5 screw (00540K & 00560K), M5 threaded insert (00580K).
Pack Size: 1, 10, 100, 500
Options: Blocks and terminals can be ordered separately, minimums apply.
Notes: Each fuse branch is independently powered. Fuses are not included.
Approvals: RoHS



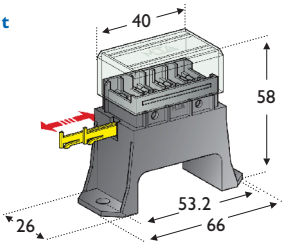
Axial Connection 1/4"Quick Connects Included & Installed.

Mounting Diagram - 00540K

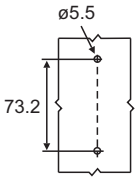




4 Way Axial Kit

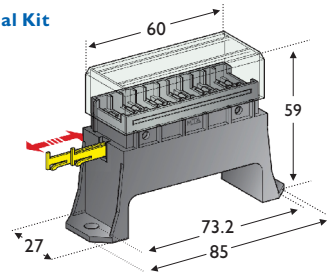


Mounting Diagram - 00560K

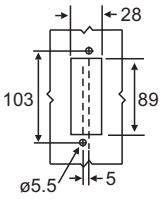




6 Way Axial Kit



Mounting Diagram - 00580K With Panel Cut Out

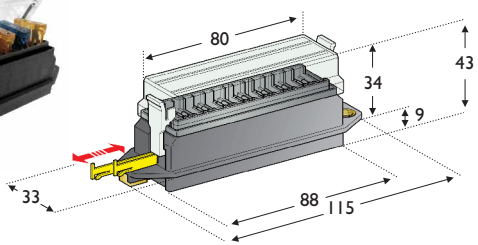


Gasket

Threaded Insert (M5)



8 Way Axial Kit



Dimensions in MM

RELATED PRODUCTS: **Auto & LED Auto Fuses** (see p.17)

AUTO FUSE 6 & 12 WAY PANELS LED INDICATING

PROLEC

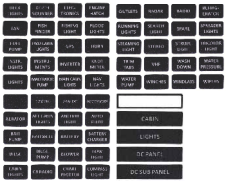
Features:
- 2 combined preassembled models available.
- Features blown fuse LED indication.
- 2 slots to store spare auto fuses.
- Includes a 65 piece sticker set to identify each circuit.
- All fuse and ground terminal panels include a clear cover.

Part Number	Description
MFP6SCGTP	6 Way auto fuse panel with cover & GTP.
MFP12SCGTP	12 Way auto fuse panel with cover & GTP.

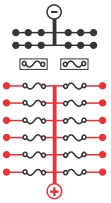
Voltage: 32V
Maximum Total Block Rating: 100A
Maximum Terminal Rating: 30A
Input Stud & Ground Stud: M5 (3/16")
Output Screw Terminals: M4 (5/32")
Ground Screw Terminals: M4 (5/32")
Base Colour: Black **Cover:** Clear
Operating Temperature: -20°C to +60°C
Screws & Lock Washers: Included.

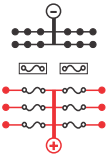
6 Way Fuse Panel With GTP and Clear Fuse / GTP Covers

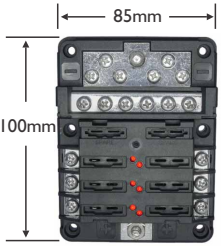




65pc Sticker Assortment Set



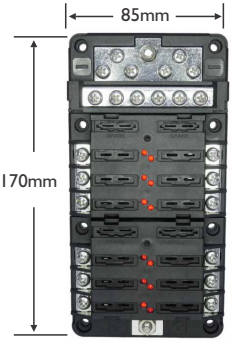




Height with cover 42mm



6 Way Fuse Panel With GTP



Height with cover 42mm

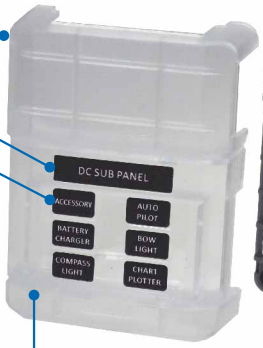


12 Way Fuse Panel with GTP

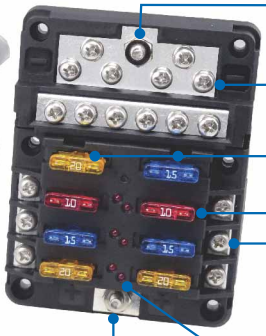
Clear cover supplied.
Covers fuses and G.T.P.



Recessed area for stickers.
(65pcs included)



Protective clear cover included.



M5 Stud
negative distribution

M4 Screw terminals

2 x Spare fuse positions

6 x Fuse positions

Screw connect terminals

M5 input stud positive feed.



Blown fuse LED indicator.

RELATED PRODUCTS:



Auto Fuses
(see p.17)

PROLEC
Email: info@prolecproducts.com.au
Web: www.prolecproducts.com.au

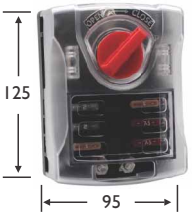
AUTO FUSE 6 & 12 WAY PANELS

Littelfuse

NEW

Features:
- Suits auto fuse or auto bladed circuit breakers.
- Dual power studded inputs.
- Single ground stud & multiple earth returns.
- Lockable transparent cover with label recesses.
- 84pc sticker label set included.
- Storage for two spare fuses.

Part Number	Description
880027	6 Way Fuse / Breaker Block
880028	12 Way Fuse / Breaker Block

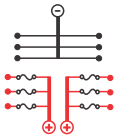


Height 58mm



Voltage: 32VDC
Continuous Rating: 100A Total Max.
Rating Per Circuit: 30A Max.
Power Input Studs: Dual Input Studs.
Negative Input Stud: Single #10-32.
Ground Terminals: #10-32 Screws.
Output Terminals: #10-32 Screws.
Mounting: 4 x M5 holes.
Base: Black Polycarbonate.
Cover: Clear PBT.
Notes: Fuses are not included.

6 Way Circuit Diagram

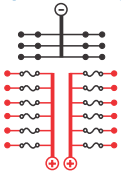


Dual Power Input

Sticker Set



12 Way Circuit Diagram



Dual Power Input



Height 58mm



Dimensions in MM

RELATED PRODUCTS:



Auto Fuse & LED Auto Fuse
(see p.17)



Automatic & Manual Bladed Circuit Breakers
(see p.49 - 50)

AUTO FUSE 12 WAY PANEL

Littelfuse

Features:
- Suits auto fuses. Transparent cover stores two spare fuses.
- Single power studded input & single ground stud.
- Sticker label sets available. 60 or 180 labels.

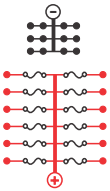
Part Number	Description
880066	12 Way Auto Fuse Block

Voltage: 32VDC **Rating per Circuit:** 30A.
Cumulative Rating: 100A.
Single Input & Ground Studs: #10-32.
12 x Output Terminals: #8-32 screws.
12 x Ground Terminals: #8-32 screws.
Internal Buss & Fuse Clips: Tin plated copper.
Base: Black reinforced polycarbonate.
Cover: Clear polycarbonate.
Hardware: Stainless steel.
Approvals: Cover satisfies ABYC / USCG insulation requirements.
Notes: Fuses and label sets are not included. LABEL

Push Button Latch

2 x Spare Fuse Positions

12 Way Circuit Diagram



Negative Input (-)



Positive Input (+)

L: 165mm, W: 85mm, H: 39mm

AUTO FUSE / BREAKER REAR TERMINAL BLOCKS

Bussmann

Features:
- Capacity of 8 to 32 output circuits (for auto fuses or auto bladed circuit breakers).
- 1, 2, 3 or 4 bussed power input studs. Each powering 4 or more fuse circuits.
- Splash resistant cover included. Shallow for fuses. Tall auto bladed circuit breakers.
- Fuse / Circuit breaker block is also available in custom configurations.



Inc Fuse Cover Block Part Number	Inc Breaker Cover Block Part Number	Number of Poles	Input Buss Type	Set Up
15712-08-04-21A	15712-08-04-22A	12 Pole	Dual Bus	8 + 4
15712-12-08-21A	15712-12-08-22A	20 Pole	Dual Bus	12 + 8
15713-20-12-21A	15713-20-12-22A	20 Pole	Triple Bus	12 + 4 + 4
15714-20-06-21A	15714-20-06-22A	20 Pole	Quad Bus	6+4+4+6

Part Number	Description
12020321	Female Terminal Brass #16-14 (1.0-2.0mm²) Bulk
12020400	Female Terminal Brass #12-10 (3.0-5.0mm²) Bulk
15710-TP	Secondary lock secures 8 output terminal positions
PROBRK007K	Bracket kit, stainless steel, inc. screws & washers
12094430	Output terminal removal tool (page 186)
06285847	Terminal crimping tool (indent item)
B151-7150-12	Spare Fuse Block Deep Cover 12 Pole
B151-7150-20	Spare Fuse Block Deep Cover 20 Pole

NEW



Bracket Kit

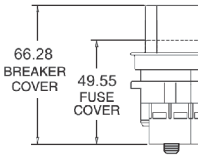


Output Terminals

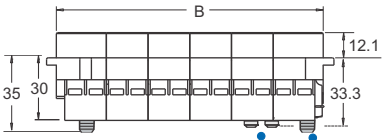
Voltage: 32V **Input Rating:** 200A max total input for unit.
Fuse / Circuit Breaker Capacity: 8, 12, 16, 20, 24, 28 & 32 positions.
Panel Mounting: Threaded inserts #10-32 (4 places).
Panel Mounting SS Hardware: Screw #MT103212PPHS. Washer # SW316S.
Surface Mounting: Bracket kit required. **Base Materials:** Black thermoplastic.
Input Supply Options: Single, dual, triple and quadruple bus options.
Input Wire Sizes: #6 - 4 AWG / 13 - 19mm²
Input Terminals: 1/4"-20 stud for top & bottom bus. 4x 1/4" Q/C terminals supply power to middle bus (which always powers only 4 positions). 30A max for each Q/C terminal.
Output Terminals: Delphi Pack-Con Series 3 female unsealed tang terminals. 30A max load per circuit. Output terminals not included.
Output Wire Sizes: #16 - 10 AWG / 1.0 - 5.0mm²
Secondary locks: Secure output terminals. Each lock secures 8 positions. (Please order multiple locks to cover length of selected terminal block).
Pack Size: Stock lines 1pc. Customised indent items 24pcs.
Notes: Fuses & breakers not included. Terminals must be ordered separately as above.



Rear Panel Mounted 20 Way Auto Fuse Block Without Lid

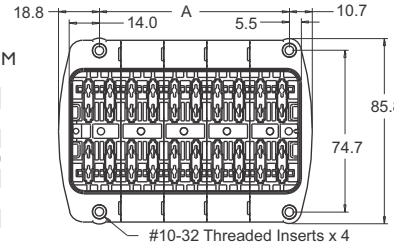


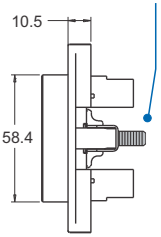
FUSE BLOCK HEIGHT
(Excludes Input Studs & QC's)



Q.C. Terminals

1/4"-20 Stud Input Feeds Bussed Terminals





Number Poles	Dimensions in MM A	B
8	28.0	47.5
12	48.0	67.0
16	67.8	87.0
20	87.5	107.0
24	107.0	126.5
28	127.0	146.5
32	147.0	166.5

Scan the QR Code for more information

QR Code: 7015

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AUTO FUSE BLOCK SEALED REAR TERMINAL - 10 WAY

Littelfuse

NEW

IP67

80V

The Littelfuse HWA20 is a non-bussed, sealed IP67, fuse block constructed from durable polyamide. All input and output connections are electrically isolated, enabling the user to customize the circuitry. Capable of installing 10 x Auto fuses with a maximum combined amperage of up to 210A. Dovetail slots on the sides of the block enable multiple units to be connected side by side to each other or with other Littelfuse fuse blocks and power distribution units.

Part Number	Kit Contents:
PDMKIT611	Base, Cover, Seal, Terminal Secondary Lock (TPA) 20 x Terminals (927835-1), 20 x Seals (963245-1) 4 x Cavity Plugs (100132-1)

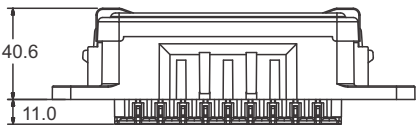
Part Number	Individual Component Ordering
PDM61001ZXM	Module with Cover & Terminal Secondary Locks
927836-1	Terminal Female (#20 - #16 AWG), 0.5 - 1.0mm^2
927835-1	Terminal Female (#15 - #13 AWG), 1.5 - 2.5mm^2
928966-1	Terminal Female (#12 - #11 AWG), 3.0 - 4.0mm^2
1241962-1	Terminal Female (#12 - #10 AWG), 3.0 - 5.0mm^2
963243-1	Cable Seal Silicone Blue, 1.4 - 2.1mm Cable Dia.
963244-1	Cable Seal Silicone White, 2.2 - 3.0mm Cable Dia.
963245-1	Cable Seal Silicone Yellow, 3.4 - 3.7mm Cable Dia.
967011-1	Cable Seal Silicone Green, 3.6 - 4.3mm Cable Dia.
100132-1	Cavity Plug Silicone Black, 8.1mm Cavity inside Dia.

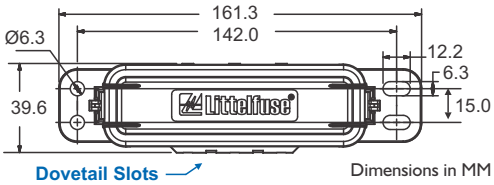




PDMKIT611

Voltage: 80VDC
Maximum Total Current: 210A **Max Single Fuse Rating:** 40A
Temperature Rating: -40°C to +85°C.
Body & Cover: Black Thermoplastic 94V-0.
Cover Gasket: Green silicone.
Wire Size: 0.5 to 5mm^2 (#20 to #10 AWG).
Terminals: TE AMP Standard Power Timer, Tin Plated.
Terminal Secondary Locks (TPA's): Included with module.
Cable Seals: Please check the overall diameter of your cable before ordering cable seals. Silicone material.
Ingress Protection Rating: IP67 when cover, cable seals & cavity plugs are installed. Cavity plugs must be fitted to any of the unused 20 terminal holes.
Mounting: Surface mount using 4 fixing holes (M6). Mounting Torque: 4 to 6 Nm.
Suit Fuse: Auto fuses (1A-40A). Not suitable for circuit breakers.
Notes: Fuses, terminals, cable seals or cavity plugs are not included.
Pack Size: 1





Dimensions in MM

RELATED PRODUCTS:



32V Auto Fuse
32V LED Auto Fuse
58V Auto Fuse
80V Auto Fuse
(see p16-17)



FLEX-MIDI
(see p.98)



MEGA-FLEX
(see p.99)



HWB60-AL
(see p.123)



FLEC
(see p.145)



EPC
(see p.146)

Did you know? The dovetail features allow you to interlock other multiple Littelfuse Low and High Power products together. These include; FLEX-MIDI, MEGA-FLEX, HWB60-AL, FLEC & EPC.

MIDI FUSE BLOCKS GANGABLE 58V

Littelfuse

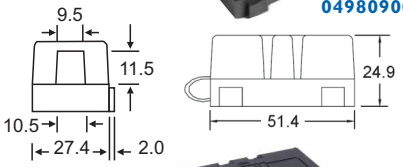
Part Number	Description
04980900	Midi Fuse Block with M3 In-Board Mounting
04980903	Midi Fuse Block with M6 Mounting Tabs NEW

Voltage: 58VDC
Rating Continuous: 150A **Rating Max**: 200A
Body: Black glass filled thermoplastic.
Cover: Included. Black glass filled thermoplastic.
Hardware: Includes hex nuts & lock washers.
Studs: M5 threaded studs.
Features: Gangable
Pack Size: 1, 10, 100
Notes: The holders feature a stackable side design to allow multiple holders to be joined together. Fuse is not included.
Approvals: RoHS

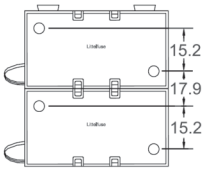
58V

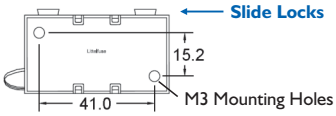


04980900



Gang Mount Setup

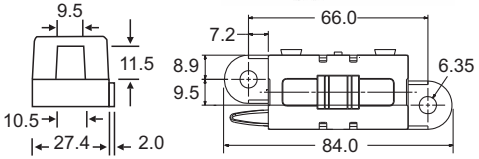




Dimensions in MM



04980903



RELATED PRODUCTS:



32V Midi Fuse
(see p.24)



58V Midi Fuse
(see p.24)

MIDI FUSE BLOCK GANGABLE 65V

Adler Electric

NEW

65V



The BHR series fuse holder is specially designed for use with DC fuse in automotive equipment and road vehicles. It works with both 32V and 58V M5 Midi fuses. The fuse holder is built with special automotive grade materials to withstand high fault currents and temperatures.

Part Number
BHR030-15-M5

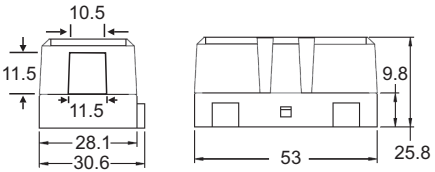
Fuse window



Side locks



Voltage: 65VDC
Rating: 125A
Body & Cover: Black PA+GF VO
Operating Temperature: -40 to +125°C
Hardware: Includes hex nuts & lock washers.
Studs: M5 threaded stainless steel.
Features: Gangable. Cover with window feature.
Pack Size: 1, 10, 100
Notes: The holders feature a stackable side design to allow multiple holders to be joined together. Fuse is not included.
Approvals: RoHS



Dimensions in MM

RELATED PRODUCTS:



32V Midi Fuse
(see p.24)



58V Midi Fuse
(see p.24)

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MIDI FUSE MULTI-POLE FUSE BLOCKS

Bussmann

Bussmann now offers a heavy duty fuse panel called the LMI "Little Block". The LMI is used for main branch primary fusing and can be configured to fit up to 6 industry standard Midi fuses all bussed to a single input stud. The LMI provides efficient power distribution suitable for many "under the hood" applications such as; Marine, Construction, Agriculture, Heavy Trucking, Bus and Specialty Vehicles.

Part Number	Description
LMI1-E-1-0	Midi Fuse Block (2 x 10-32 studs)
LMI1-E-1-1	Input Module (1 x 5/16"-18 stud)
LMI1-M-1-0	Midi Fuse Block (2 x M5 studs)
LMI1-M-1-1	Input Module (1 x M8 stud)
B109-7091-2	Busbar 2 holes - (spans 2 modules)
B109-7091-3	Busbar 3 holes - (spans 3 modules)
B109-7091-4	Busbar 4 holes - (spans 4 modules)
B109-7091-5	Busbar 5 holes - (spans 5 modules)
B109-7091-6	Busbar 6 holes - (spans 6 modules)
B109-7091-7	Busbar 7 holes - (spans 7 modules)

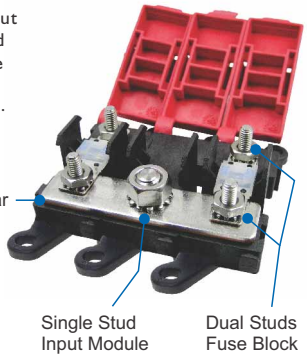


Input Module



Midi Fuse Block

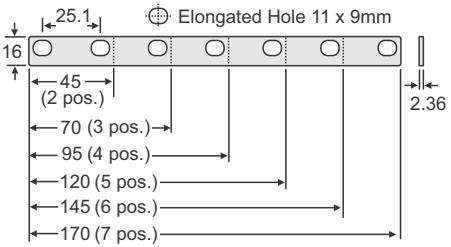
Ordering: Maximum of 7 blocks / modules per assembly (6 fuse blocks & 1 input module). One Midi fuse block is required for each Midi fuse. Input modules and busbars can be ordered as required. The input module should be located in the center of the assembly for bus bar efficiencies.
Ratings: Midi Fuse Block 200A. Max total combined rating is 400A continuous. Based on numerous variations possible between numbers of poles used, fuses selected, input wiring, and output wiring, all applications should be tested by installer to verify the product meets their requirements.
Temperature: -40°C to 85°C.
Housing: HTN black UL-rated 94V0 thermoplastic material.
Cover: Red Santoprene cover for protection from accidental shorts.
Studs (Midi Fuse Block): Imperial or Metric Stainless Steel & Keps Nuts.
Stud (Input Module): Imperial or Metric Stainless Steel & Keps Nut.
Options: Pre-assembled with specified Midi fuses for OE requirements.
Pack Size: 1, 10, 100, 500
Notes: The modules feature a stackable side design to allow multiple modules to be joined together. A crush rib features within the interlocking system to allow connected modules to remain in place. Fuses & busbars are not included with blocks.
Approvals: RoHS

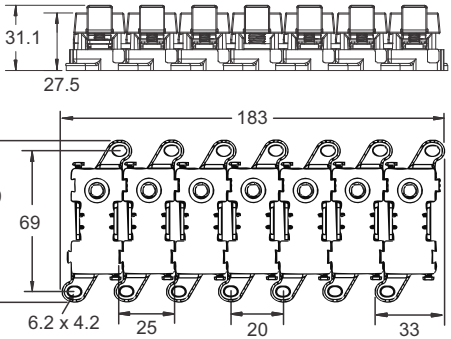


Sample Configuration:
2 x Midi Fuse Blocks
1 x Input Module
1 x Busbar (3 holes)

Busbar Accessories







Dimensions in MM

RELATED PRODUCTS:



Midi Fuse
(see p.24)



Crimping Tool
(see p.184)



M6 Stud Terminal
16mm² (see p.188)



M8 Input Terminal
16mm² - 35mm²(see p.188)

MIDI & MEGA MULTI-POLE COMBINATION FUSE BLOCKS

MTA

NEW

IP20

Features
- 2 x Fuse block models (Midi & Mega Fuse).
- 2 x Single stud input block models (M5 or M8).
- Gangable - Multiple blocks or a combination of blocks
- Hinged cover included - Tool less finger lift.
- Extensive busbar options - One power feed.

Part Number	Description
0101499	Midi Fuse Block M5 Studs with Hinged Cover
0101224	Midi Input Stud 1 x M5 with Hinged Cover
0101498	Mega Fuse Block M8 Studs with Hinged Cover
0101223	Mega Input Stud 1 x M8 with Hinged Cover
0301509	Busbar 2 x Midi Fuse Positions
0301508	Busbar 3 x Midi Fuse Positions
1600060	Busbar 4 x Midi Fuse Positions
0301227	Busbar 5 x Midi Fuse Positions
0301511	Busbar 1 x Midi Fuse & 2 x Mega Fuse Positions
0301251	Busbar 2 x Midi Fuse & 1 x Mega Fuse Position
0301512	Busbar 2 x Midi Fuse & 2 x Mega Fuse Positions
0301250	Busbar 3 x Midi Fuse & 1 x Mega Fuse Position
0301249	Busbar 4 x Midi Fuse & 1 x Mega Fuse Position
0301225	Busbar 4 x Midi Fuse & 2 x Mega Fuse Positions
0301226	Busbar 4 x Midi Fuse & 3 x Mega Fuse Positions
MGBB02	Busbar 2 x Mega Fuse Positions
MGBB03	Busbar 3 x Mega Fuse Positions



Input Stud Block



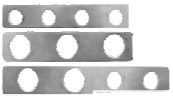
Midi Fuse Block

Mega Fuse Block



Midi Block & Mega Block Ganged

Base: Black PBT-GF20 **Cover:** Black PP-TD20 HEAT-ST Cu-ST
Hardware M5 and M6: Steel - Zn Ni.
Fuse Blocks & Input Block: Include cover & hex nut(s).
Ampere Rating: All blocks and busbars please contact sales.
Notes: Rear plastic panel must be cut out if not fitting a busbar
Single stud power input blocks are also gangable to fuse blocks.



Busbar Suit Midi Blocks

Busbar Suit Mega Blocks

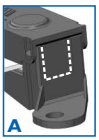
Busbar Suit Mega / Midi Blocks



Ganged Fuse Blocks
Independent Power



Ganged Fuse Blocks
Common Busbar Power



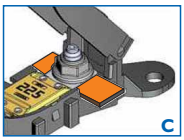
A

Removable
Top Wall



B

Input Cable
Top Entry

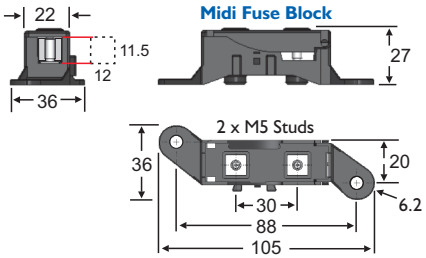


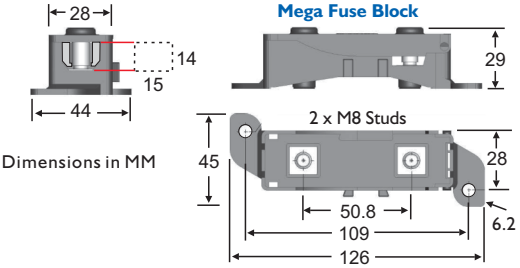
C

Busbar Accessory
No Cut-out Required

Scan this QR Code for more information

QR Code: 7022





Dimensions in MM



Midi Fuses
(see p.24)



M6 Terminals
(see p.188)



Crimping Tool
(see p.184)



M8 Terminals
(see p.188)



Mega Fuses
(see p.25-26)

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MEGA FUSE BLOCK SEALED & IGNITION PROOF

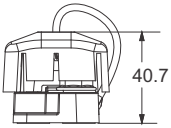
Littelfuse

IP69K IP66 IGNITION PROTECTED 70V

Features
- High amperage circuit protection in harsh / hazardous environments.
- Waterproof sealed fuse compartment protects fuse from corrosion.
- Ignition protected to SAE J1171 and ISO 8846 for installation in a battery box or on vehicles carrying hazardous loads.
- Stainless steel hardware and tin-plated 100% pure copper optimize long-term corrosion protection.
- Allows dielectric spray on cable terminals without compromising fuse connections.
- Cover retention ensured through integrated tether. AssureLatch™ technology for worry-free positive latching.

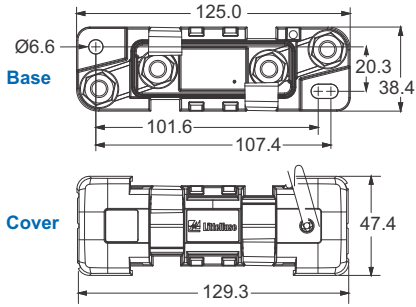


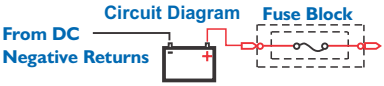
Part Number	Description
880014	Mega Fuse Block & Cover Sealed



Dimensions in MM

Voltage: 70VDC
Rating Max: 500A, 375A continuous.
Input Studs: M8 stainless steel.
Ignition Protected: SAE J1171 and ISO 8846
Ingress Protection: IP66 / IP69K
Operating Temperature: -50°C to +125°C
Shock: 50 G's **Vibration:** 8 G's
Input Terminal Stud Torque: 20Nm, Max 30Nm.
Mounting Fuse Stud Torque: 12-18Nm.
Mounting Block Torque M6 Holes: 5-8Nm.
Fuse Block: Inc. cover, SS screws & hex nuts.
Pack Size: 1, 10
Notes: Fuses not included.





FUSE HOLDERS

MEGA BATTERY DISTRIBUTION UNIT POST MOUNT

MTA

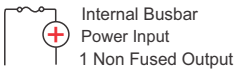
Features:
- Durable clip-on cover. Cable feeds through slots in the housing.
- Double ring (19mm) connects to positive top post battery terminal.

Part Number	Description
0101703	1 Way Mega Fuse BDU With Cover



Voltage: 32VDC **Rating Max:** 250A.
Operating Temperature: -40°C to +120°C
M6 Post Torque: 4.5Nm. **M8 Terminal Torque:** 11Nm.
BDU: Includes housing, cover, busbar, self locking nuts.
Notes: Fuses not included.

Circuit Diagram



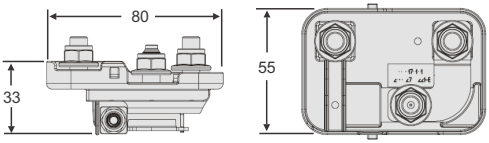
RELATED PRODUCTS:



Mega fuse (see p.25)



Powerval (see p.26)



Dimensions in MM

MIDI MULTI-POLE POLE COMBINATION FUSE BLOCK 58V

Littelfuse

58V

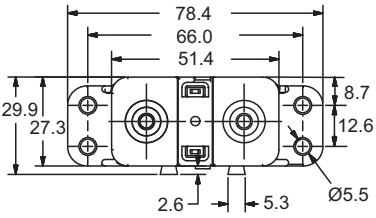
The MIDI-Flex fuse block is used with the MIDI style bolt-down fuse, which is available up to 200 A. Bolt Mount or tie-mounting options. This holder offers a flexible cover, which allows cable entry from virtually any direction, large wire size, and ring terminal stack up. Dovetail features allow you to interlock multiple MIDI-Flex fuse blocks together for a high power distribution block or lock other Littelfuse Power Distribution products together. Midi-Flex, Mega-Flex, HWB60, FLEC & EPC.



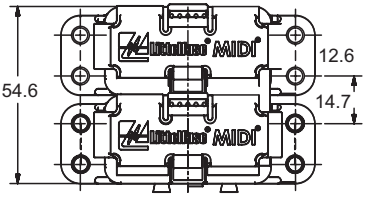
Midi-Flex Fuse Block

Features

- Flexible cover allows for cable entry from virtually any direction.
- Dovetail features allow you to interlock multiple MIDI-Flex fuse blocks together to create a high power distribution block.
- Slots in the base allows the holder to be mounted with tie-wraps.
- Zinc plated steel hardware and tin-plated 100% pure copper optimize long-term corrosion protection.
- Bus bars are available for multiple holder applications.



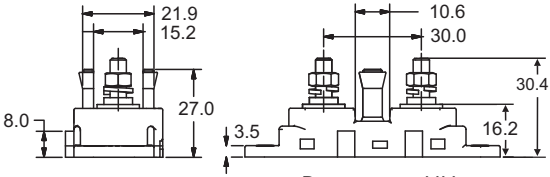
Part Number	Description
04981038	1 Pole Fuse Block with Flexible Cover
04982001ZXFC	2 Pole Fuse Block with Flexible Cover & Busbar
882-267-002	Bus Bar (2 holes - spans 2 blocks)
882-267-003	Bus Bar (3 holes - spans 3 blocks)
882-267-004	Bus Bar (4 holes - spans 4 blocks)
882-267-005	Bus Bar (5 holes - spans 5 blocks)



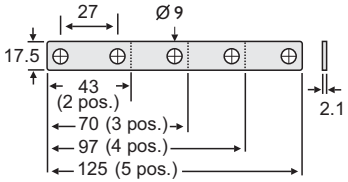
Voltage: 58VDC **Rating:** 200A
Hardware: Includes hex nuts & split washers.
Studs: M5 threaded zinc plated steel studs.
Flammability: UL94 V-0
Wire Size: 8mm² to 35mm²
Operating Temperature: -40°C to +125°C
Pack Size (bag): 1, 10, 100, 500
Notes: The holders feature a stackable side design to allow multiple holders to be joined together. The busbar needs to be installed first, followed by the Midi fuse, the split washer and finally the hex nut. Fuses are not included.



Bus Bars Accessories



Dimensions in MM



RELATED PRODUCTS:



32V Midi Fuse (see p.24)



58V Midi Fuse (see p.24)



Midi-Flex & Mega-Flex fuse blocks combined.



Gang mount with or without Bus Bars

FUSE HOLDERS

PROLEC

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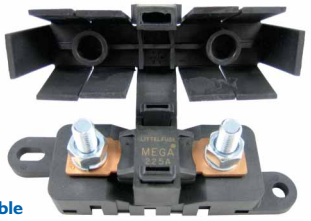
MEGA MULTI-POLE POLE COMBINATION FUSE BLOCK 70V

Littelfuse

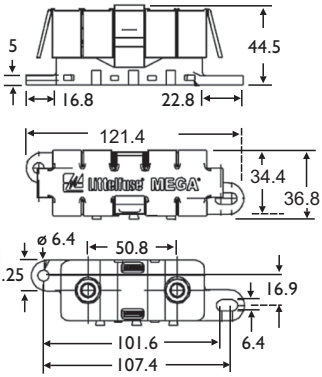
70V

Features:
- Includes a flexible cover which allows multiple cable entries, large wire size and ring terminal stack up.
- Slots on the base allow blocks to be mounted with cable ties or surface mount using standard screw holes.
- Bus bars accessories are available for common power feed across multiple blocks.
- Dovetail features allow you to interlock multiple MEGA-Flex blocks together for a high power distribution block or it can interlock with other Littelfuse products including FLEC, EPC, HWA20, HWB60 & Midi-Flex.

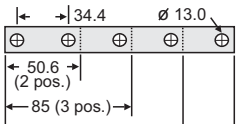
Part Number	Description
02981028	Fuse block with M8 studs & cover
882-839-2	Busbar 2 holes - (spans 2 modules)
882-839-3	Busbar 3 holes - (spans 3 modules)
882-839-4	Busbar 4 holes - (spans 4 modules)
882-839-5	Busbar 5 holes - (spans 5 modules)



Voltage: 70VDC **Rating:** 500A
Base: Black UL 94V-0 Glass-filled PPA.
Cover: Black UL94V-0 Elastomer. Red colour optional.
Studs: M8 x 1.25 Zinc plated steel. Stainless steel optional.
Nuts & Washers: Included. Zinc plated steel.
Temperature Rating: -40°C to 125°C
Wire Size: 8mm² to 35mm²
Pack Size: 1, 10, 100
Notes: Fuse & bus bar not included.
Pack Size: 1, 10, 100
Approvals: RoHS



Dimensions in MM





Tin Plated Bus Bars



Mega-Flex fuse block with 60 way sealed module.



Midi-Flex & Mega-Flex fuse blocks combined.



Multipoles with Bus Bars

RELATED PRODUCTS:



Mega Fuses (see p.25)

MEGA FUSE BATTERY DISTRIBUTION UNIT

MTA

NEW

This Mega fuse holder is fitted with a die cast clamp and designed to fit directly on a positive DIN top post battery. Available as either left or right mount versions. Red cover included. Fuses are not included.

Part Number	Description
0301229	Pre-Mounted Housing Terminal Right side.
0301230	Pre-Mounted Housing Terminal Left side.

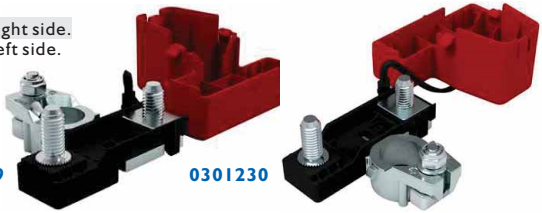
RELATED PRODUCTS:



Mega fuse (see p.25)



Powerval (see p.26)



MEGA FUSE BLOCK HARD COVER 70V

Littelfuse

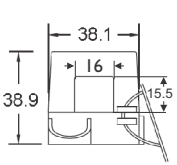
70V

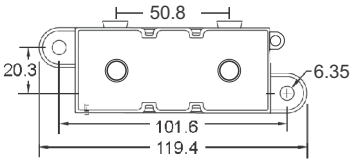
Features:
- High current Mega fuse block is ideal for battery and alternator connections.
- Interlocking pins let you connect additional fuse holders for multi-fuse applications.

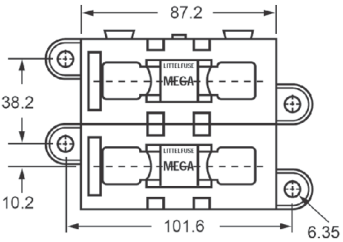
Part Number	Description
02981001	Fuse Block with Hard Cover and 2 Openings
02981003	Fuse Block with Hard Cover and 6 Openings NEW



Voltage: 70VDC **Rating:** 500A
Body & Cover: Black glass filled thermoplastic.
Fuse Block: Inc. hard cover, tether, hex nuts & lock washers.
Studs: M8 threaded. **Torque Rating:** 5 Nm.
Agency Approval Shock: VS-005002/VS-005005
Pack Size: 1, 10, 100
Notes: Fuse is not included. RoHS







Dimensions in MM

Gang Mount Setup

RELATED PRODUCTS:



32V Mega Fuse
(see p.25)



70V Mega Fuse
(see p.25)



M8 Tubular Terminals
16mm², 25mm² (see p.188)

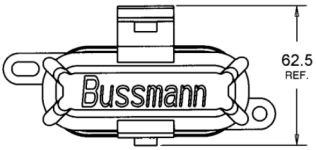
MEGA FUSE BLOCKS FLEXIBLE COVER

Bussmann

Part Number	Description
FMG-111	Fuse Block With Standard Cover M8 Studs (a) NEW
FMG-116	Fuse Block With Extended Cover M8 Studs (b)
FMG-211	Fuse Block With Standard Cover 5/16"-18 Studs (a)
FMG-216	Fuse Block With Extended Cover 5/16"-18 Studs (b) NEW



Voltage: 32VDC **Rating:** 500A
Body: Black UL rated 94V-0 thermoplastic.
Cover: Black flexible thermoplastic elastomer. Red cover optionable.
Fuse Block: Includes cover & sems nuts. **Wire Size:** #8 AWG / 8mm²
Studs: Zinc plated steel studs. **Torque Rating:** 13.5 Nm.
Features: Cables can be routed to studs from nearly any direction.
Notes: Both covers feature end cut-outs for wiring.Fuse is not included.
Pack Size: 1, 10, 100
Approvals: RoHS

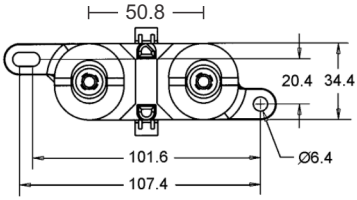




Standard Cover



Extended Cover

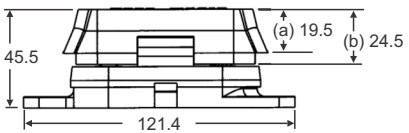


Dimensions in MM

RELATED PRODUCTS:



Mega Fuses
(see p.25)



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MEGA & LIFT TRUCK FUSE BLOCK WITH CLEAR COVER

Adler Electric

100V 120V

Part Number	Description	Amp Rating	Voltage	Stud Size	Stud Torque
BHR059-25-M8	Mega Fuse Block	500A	100VDC	M8	12 Nm
BHR061-25-M10	FBT Fuse Block	800A	120VDC	M10	14.3 Nm

Cover: Clear cover included
Hardware: Includes nuts & washers
Operating Temp.: -40 to +125°C
Pack Size: 1
Notes: Fuse not included.



BHR059-25-M8



BHR061-25-M10

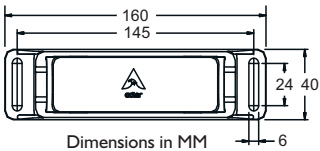
RELATED PRODUCTS:



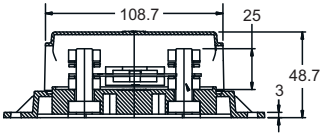
Mega Fuse 32V & 70V
(see p.25)



FBT Fuses 48V & 80V
(see p.26)



Dimensions in MM



LIFT TRUCK FUSE BLOCKS 80V

Bussmann

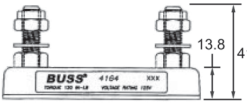
80V

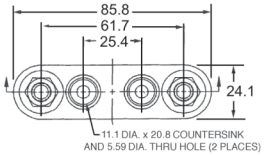
Part Number	Description
4164-FR	Fuse Block with Free Running Nuts NEW
FBTB-LN	Fuse Block with Nylon Insert Locknuts

Rating: 800A **Voltage:** 125VAC / 80VDC
Base: Thermoplastic
Studs: 5/16"-24 (M8) **Torque:** 13.6 Nm.
Pack Size: 1, 10, 50, 100
Notes: Fuses not included.









Countersunk mounting holes to suit No.10 flat head screws.

RELATED PRODUCTS:



FBT Fuses
(see p.26)



ANL & ANN Fuses
(see p.27)

EV BOLTED FUSE BLOCKS MODULAR 1000V

Bussmann

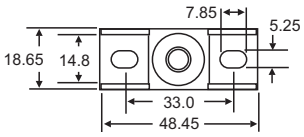
EV 1000V NEW

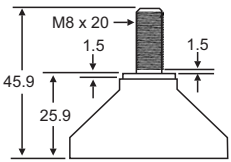
Part Number	Description
BSCR101	Single Stud Block

Voltage: 1000VAC / 1000VDC
Rating: 500A
Flammability Rating: UL 94-V0
Operating Temperature: -40°C to +125°C
Hardware: Includes hex nut & washer
Stud: M8 **Torque:** 12 Nm.
Ordering Information: Sold as single blocks. Can be used as a fuse block or terminal block.
Approvals: RoHS









Dimensions in MM

RELATED PRODUCTS:



Mega



ANL



Class T



EV Fuse

EV FERRULE & BOLTED TAG FUSE BLOCKS 10.3MM DIA.

adler

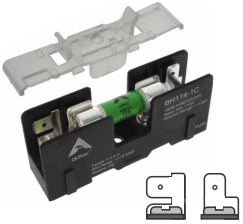
Part Number	Decsription
BH114-1C	Cartridge Fuse Block with 1/4" QC & Screw Terminals
BH114-1M	Flush Tag Fuse Block with Screw Terminals
BH114-CN	Cartridge / Tag Fuse Clear Cover - Non Indicating
BH114-CC	Cartridge Fuse Clear Cover With LED Indication
BH114-CL	Flush Tag Fuse Clear Cover With LED Indication



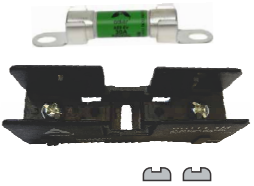
NEW

1100V

Cartridge Fuse Block Rating: 30A 1100VDC
Flush Tag Fuse Block Rating: 50A 1100VDC
Wire Size: 14-10 AWG (1.6 - 8.4mm2)
Material: Thermoplastic (Base & Cover).
Flammability: UL94VO (Base)
Operating Temperature: -40°C to +125°C
Terminals: Tin plated, copper alloy.
Mounting: Screw, bolt or 35mm DIN Rail.
Feature: Slide lock design.
Pack Size (box): 1, 10, 100
Notes: Fuse not included.
Approvals: TUV RoHS



Cartridge Fuse Block
Screw & 1/4" QC Terminals



Flush Tag Fuse Block
Screw Terminals

FUSE HOLDERS

RELATED PRODUCTS:



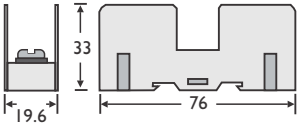
EVCartridge Fuse
(see p.32-34)



EV Flush Tag Fuse
(see p.32-34)



Gangable Slide Lock



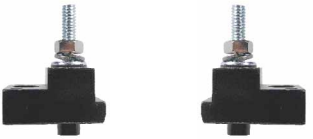
Dimensions in MM

EV / EVSE BOLTED FUSE BLOCKS MODULAR

Bussmann

The C5268 series is a simple design modular fuse block. With this design, the fuse terminal and cable (with termination) are mounted on the same stud, minimizing labor needed for installation.

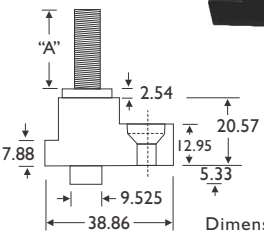
Part Number	Ampere Rating	Stud Diameter and Thread Type	"A" Stud Height
C5268-5	100A	1/4"-20 UNC (6.35mm)	1.75" (44.45mm)
C5268-3	200A	5/16"-18 UNC (7.93mm)	0.75" (19.05mm)
C5268-2	200A	5/16"-18 UNC (7.93mm)	1.75" (44.45mm)

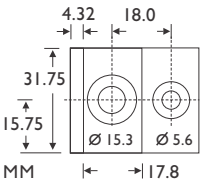


Pack Size (box): 1 block (order 2 blocks per fuse).
Ambient Temp: 150 °C
Base: Plaslok S5440 phenolic, UL 94V-0 or 94V-1.
Studs: Steel, Zinc Plated
Hardware: Includes nut & spring washer.
Pack Size (box): 1, 50
Notes: Fuse not included.

Fuse blocks with fuse installed.







Dimensions in MM

RELATED PRODUCTS:



Class T Fuse
160V
(see p.31)



EV Fuse
500V - 800V
(see p.32-33)



EV Fuse
1000V
(see p.34)

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EV / EVSE BOLTED FUSE BLOCKS FIXED

adler®

NEW

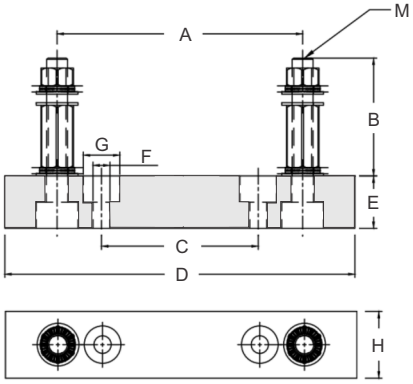
1000V

The BFR series fuse bases are suitable for use in automotive vehicles and automotive supply equipment. The bolt mount assembly system uses a wedge lock system to withstand extreme vibration or dynamic loads. The Adler BFR series EV fuse block uses special materials for use with high fault currents and temperatures specifically for automotive fuses applications.

Rated Voltage: 1000VAC / 1000VDC
Rated Current: Adler EV fuses (all current ratings) can be used with their suitable fuse blocks.
Operating Temperature: -50°C to +180°C
Max Voltage: 13-18 kV
Insulation Board Material: FR4
UL94 Flame Retardant Grade: 94HB
Insulation Resistance: 50,000 M ohm
Studs: Stainless steel.
Hardware: Two-piece interlocking wedge lock washers.
Hardware Option: Detend edged washers add suffix -S.
Pack Size: 1, 20, 100
Notes: Fuse not included.







Fuse Block Part Number	EV Fuse Range Adler Series	Suggested Stud Torque	Dimensions in MM A	B	C	D	E	F	G	H	M
BFR063-38-M6	AE5..620	9 ± 1 Nm	63	38	31	84	15	5.5	9	25	M6
BFR071-46-M8	AE5..625, AE5..631	12 ± 1 Nm	71	46	25	96	15	8.5	14	30	M8
BFR094-45-M8	AE7..i25	12 ± 1 Nm	94	45	60	134	20	6.5	14	25	M8
BFR099-70-M10	AE7..i38, AE7..i51	16 ± 1 Nm	99	70	60	146	20	6.5	14	42	M10
BFR106-46-M8	AEX..731	12 ± 1 Nm	106	46	60	146	20	6.5	14	35	M8
BFR116-72-M10	AEX..738, AEX..751	16 ± 1 Nm	116	72	60	146	20	6.5	14	42	M10
BFR091-35-M8	AT8..302	12 ± 1 Nm	91.5	35	25	130	15	8.5	17	30	M8
BFR101-45-M10	AT7..C03, ATX..C01	16 ± 1 Nm	101.5	45	40	150	25	8.5	17	48	M10
BFR086-45-M8	AT8..702	12 ± 1 Nm	86.8	45	35	130	20	8.5	17	42	M8
BFR082-45-M10	AT5..B04	16 ± 1 Nm	82.5	45	40	130	25	8.5	17	48	M10
BFR065-45-M10	AT2..E00	16 ± 1 Nm	65	45	30	115	25	8.5	17	48	M10
BFR043-28-M6	AT1..105	9 ± 1 Nm	43	28	15	70	15	5.5	9	25	M6
BFR050-28-M8	AEY..900, AEY..901	12 ± 1 Nm	50.9	28	15	80	15	5.5	9	30	M8

RELATED PRODUCTS:



AE5 500V Fuses
(see p.32)



AE7 800V Fuses
(see p.33)



AEX 1000V Fuses
(see p.34)

CLASS T, EV & EVSE BOLTED FUSE BLOCKS MODULAR

Littelfuse

1500V

EV

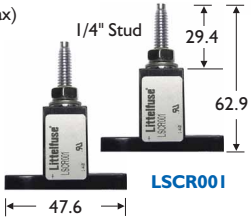


Features

- Modular design reduces inventory requirements.

Part Number	Ampere Rating	Terminal Stud Size (Metric)	Suggested Stud Torque
LSCR001	400A	1/4"-20 (6.35mm)	6.8 Nm
LSCR002	800A	3/8"-16 (9.52mm)	21.6 Nm

Voltage: 700VAC / 1500VDC
Short Circuit Rating: 250kA
Insulator Material: Molded Phenolic (150°C Max)
Terminal Material: Steel, Zinc plated.
Hardware: Nut and belleville washer
Flammability Rating: UL 94-V0
Ordering Information: Sold as a pair of blocks. (ordering 1 pair of blocks suits one fuse).
Notes: Fuse not included.
Approvals: RoHS



LSCR001



LSCR002

RELATED PRODUCTS:



Fuse Block	Class T Fuse	AE5 500V	AE7 800V	AEX 1000V
LSCR001	70A - 200A	50A - 400A	60A - 150A	70A - 100A
LSCR002	225A - 800A	-	175A - 600A	125A - 800A

Scan this QR Code for more information

QR Code: 7017

FUSE HOLDERS

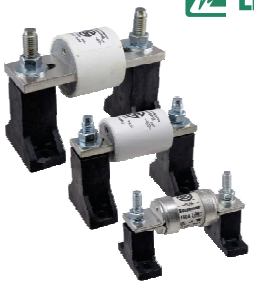
CLASS T, EV & EVSE BOLTED FUSE BLOCKS MODULAR

Littelfuse

1500V

EV

MADE IN THE USA



Features

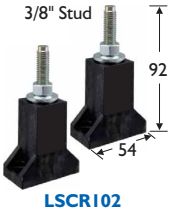
- Modular design reduces inventory requirements.

Part Number	Ampere Rating	Terminal Stud Size (Metric)	Suggested Stud Torque
LSCR101	400A	1/4"-20 (6.35mm)	7.6-9.3 Nm
LSCR102	800A	3/8"-16 (9.52mm)	23.4-28.6 Nm
LSCR103	1200A	1/2"-13 (12.7mm)	30.5-37.3 Nm

Voltage: 700VAC / 1500VDC
Short Circuit Rating: 200kA
Insulator Material: Thermoplastic (125°C Max)
Terminal Material: Steel, Zinc plated.
Hardware: Nut and belleville washer
Ordering Information: Sold as single blocks.
Use individually as a terminal block.
Use a pair of blocks to create a fuse block.
Notes: Fuse not included.
Approvals: RoHS



LSCR101



LSCR102



LSCR103

RELATED PRODUCTS:



Fuse Block Series	Class T 160VDC	AE5 500VDC	AE7 800VDC	AEX 1000VDC
LSCR101	70A - 200A	50A - 400A	60A - 150A	70A - 100A
LSCR102	225A - 600A	400A - 800A	175A - 800A	125A - 800A
LSCR103	700A - 1200A	-	-	600A

Scan this QR Code for more information

QR Code: 7018

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Power Distribution Units, Blocks & Studs

Engineered solutions.



Power Distribution Units	Page
Marine Rated Battery Fuse Bar & Block	106 & 108
ZCase Battery Fuse Bar & Block	107-109
JCase Fuse Module	110
Fused Battery Dist. Units	111-112, 118
Fused Power Distribution Modules & Blocks	110,113-117
Sealed Fuse Dist. Module Bussed 4 Way	119
Sealed Power Distribution Module 8 Position	120
Sealed Power Distribution Module 12 Position	121
Sealed Power Distribution Module 18 Position	122
Sealed Power Distribution Module 60 Position	123 & 128
Sealed Power Distribution Module 24 Position	124
Sealed Power Distribution Module 48 Position	125
Sealed Power Distribution Module 72 Position	126
Sealed Power Distribution Module 96 Position	127
Sealed 20 x Mini Fuse Block Kits	129
Sealed 10 x Mini Fuse & 5 x Relay Block Kits	130 - 131
10 x Mini Fuse & 5 x Relay - RTMR	132 - 133
40 x Mini Fuse & 10 x Relay - RFMR	134 - 135
Power Fuse & Power Relay Modules	136
Auto Fuse Block (16 Way)	137
Multi-Way Relay Blocks; Micro, Mini	137
Modular Fuse & Relay Blocks	138 - 141
Power Dist. Unit (ssVEC, ssDVEC, MVEC)	142 - 143
Power Dist. Unit (MiniFLEC & FLEC)	144 - 145
Power Dist. Unit (EPC)	146

DIN Rail Mount Blocks	Page
Wiring Blocks	147
Fused Blocks - Auto and Circuit Breaker	148
Fused Blocks - M205 & 3AG Cartridge Fuse	149

Junction Blocks	Page
Finger Safe Wiring Blocks	149
Screw Double Row Type	150
Stud Junction Blocks Multi Pole	151 & 158
Stud Type Junction Blocks Stand Alone	152 & 158
Stud Type Junction Blocks Single Feed Thru	153
Pass Thru Junction Block Multi Feed Thru	154
Heavy Duty Battery Feeder Studs	155 - 157
Common Busbars With Covers	159
Common Busbars High Power	160
Battery Terminals Single Cable	161
Battery Terminals Multi Cable	161 - 162

Features:

58V

- Suitable for DC Main, inverter, windlass and bow thruster circuit protection.
- Weatherproof, suitable for small locations & other harsh environments.
- Simple, economical and compact circuit protection system. Satisfies ABYC 7.
- Santoprene red or black insulating cap prevents accidental shorts.
- Provides high current protection in tight space constraints.
- Mounts on a battery post, battery switch or busbar.

Part Number	Pole Kit	Mount Hole	Stud	Cover
CFBAR1SP-KIT	Single	3/8" (M10)	1/4"-20	Red
CFBAR1SP-KITB	Single	3/8" (M10)	1/4"-20	Black
CFBAR1BP-KIT	Single	1/2" (M12)	1/4"-20	Red
CFBAR1BP-KITB	Single	1/2" (M12)	1/4"-20	Black
CFBAR1M8SPRK	Single	3/8" (M10)	M8	Red
CFBAR1M8SPBK	Single	3/8" (M10)	M8	Black
CFBAR2M8SPRK	Double	3/8" (M10)	M8	Red
CFBAR2M8SPBK	Double	3/8" (M10)	M8	Black

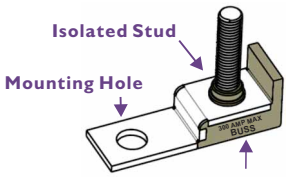


CFBAR1 Single Pole With Red Cover Kit



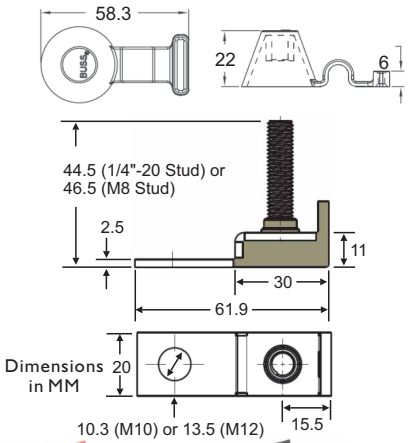
CFBAR2 Double Pole With Red Cover Kit

Rating: 300A max per CFBAR **Voltage:** 58VDC
Body: Thermoplastic PPS UL94-V0 **Busbar:** Nickel plated copper
Fuse Bar Stud: Stainless steel. Two options 1/4" -20 or M8.
Kit Contents: Includes S/S nuts, washers and insulating cover.
Battery Post Mounting Hole: Two options: 3/8" (M10) or 1/2" (M12).
Notes: The updated 'SP' version of the battery fuse bar does not require a special isolating nut so regular nuts and washers can be fitted to the stud(s).
Fuses not included.

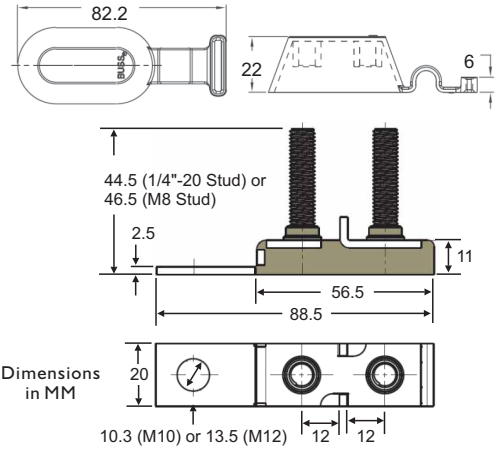


Single Isolated Base with Laser Marking

SINGLE POLE STUD COVER AND BAR



DOUBLE POLE STUD COVER AND BAR





Red Cover



Black Cover



Scan this QR Code for more information

QR Code: 3000

RELATED PRODUCTS:

MRBF fuses (See p.28)

Battery Terminal Stud Post Mount (See p.161)

PROLEC

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Web: www.prolecproducts.com.au

ZCASE M8 FUSE BATTERY STUD MOUNT BARS 1 POLE

Littelfuse

NEW

80V

The Littelfuse ZCASE® SMZ Series Stud Mount Fuse Holder reduces the need for wiring and parts by allowing ZCASE® single high-current fuses to be directly installed on an alternator, battery switch, or electrical relay.

Features:
- Up to 3 fuse holders can be stacked to protect multiple circuits.
- Space-saving design eliminates the need to wire in a separate fuse holder or power distribution module (PDM).
- Cover offered in 2 styles. Fuse only or fuse and mounting stud.

Part Number	Fuse Stud	Mounting	Cover Type
0FHZ0201Z	M8	M8	Fuse & Mounting Cover
0FHZ0202Z	M8	M8	Fuse Cover Only
0FHZ0211Z	M8	M10	Fuse & Mounting Cover
0FHZ0212Z	M8	M10	Fuse Cover Only



Fuse Bar with Fuse-Stud Cover



Fuse Bar, Fuse & Fuse Cover Only

Voltage: 80VDC
Rating: 400A. Continuous, Max & Stud.
Operating Temp.: -40°C to 105°C.
Fuse Terminal: M8 Isolated Stud.
Cover: Red UL 94 V-0 rated
Fuse Busbar: Tin-plated Copper Busbar.
Torque M8 Nut: 14 Nm
Kit Contents: Includes Fuse Bar, Cover & Nut.
Notes: Zcase fuse not included.

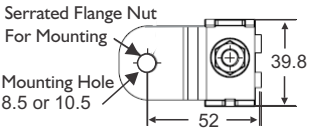


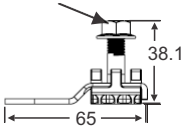
Multiple Mounting Arrangement



Single Pole M8 Isolated Fuse Stud Pictured Without Fuse

M8 x 1.25 Serrated Flange Nut To Fix Zcase Fuse & Wire Terminal





Dimensions in MM

RELATED PRODUCTS:



Zcase M8 fuse & Shunt
(see page 29)



MRBF M8 fuse
(see page 28)

ZCASE M8 FUSE BATTERY POST MOUNT BARS 2 & 3 POLES

Littelfuse

NEW

Part Number	Description
0FHZ00854-BX	2 Pole fuse bar kit & cover
0FHZ00853-BX	3 Pole fuse bar kit & cover

Voltage: 32VDC
Rating: 275A max continuous.
Fuse Terminal: Isolated studs M8.
Torque: 12 to 16 Nm
Mounting: Top Post Positive 19mm.
Kit Contents: Includes Battery Bar, Fuse Bar, Cover, S/S Nuts & Washers.
Operating Temp.: -40°C to 125°C.
Notes: Zcase fuse not included.



3 Pole M8 Isolated Fuse Terminals



2 Pole M8 Isolated Fuse Terminals

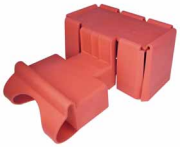
RELATED PRODUCTS:



Zcase M8 fuse & Shunt
(see page 29)



MRBF M8 fuse
(see page 28)



Red cover fitted.
(Included in kits)

Scan this QR Code for more information

QR Code: 9030

5 & 7 POSITION ZCASE FUSE BLOCK

Littelfuse

NEW

80V

The 5 or 7 position ZCase fuse blocks are designed for primary high current power distribution. One position is used as a power input terminal and usually fitted with a Zcase shunt to provide common power, via the bus bar (included), to the remaining positions fitted with ZCase fuses for protected power outputs. A variety of bus bar configurations are possible. The green dust covers keep dust out of the backside of the fuse box and the cover protects the fuses from debris. Applications include construction equipment, body builders, agricultural equipment and HD/MD Trucks.

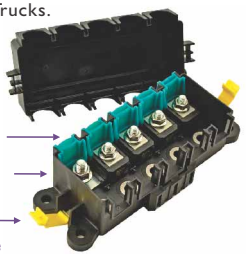
Features:

- High current distribution with flexible bussing.
- Busbars can also be cut to create split circuits.
- Corrosion resistant coatings and stainless steel nuts.
- ZCase 3298 series fuses (40A to 600A) or Zcase shunts can be used in any location.



Sectional Copper Busbar
Cut to create multiple circuits

0FHZ0005Z



Fuse Block Dimensions
5 Way: 217mm x 86mm x 59mm

Part Number	Description
0FHZ0005Z	5 x M8 Stud assembly, busbar, cover & tether.
0FHZ0007Z	7 x M8 Stud assembly, busbar, cover & tether.

Voltage: 80VDC
Maximum Continuous Current : 400A.
Fuse Block Contents: Studs, Busbar, Black Silicon Rubber Tether & Green Silicon Rubber Dust Covers.
Busbar: Solid Copper with Tin Plating.
Max wire size: AWG 4/0 (105mm²)
Contact Temperature: -40°C to 105 °C.
Notes: Zcase fuses / shunts are not included.

0FHZ0007Z

Green dust covers not shown but are included with this block.



Fuse Block Dimensions
7 Way: 281mm x 86mm x 59mm

RELATED PRODUCTS:

Zcase Fuse
(See page 29)



Zcase Shunt
(See page 29)



Scan this QR Code for more information

QR Code: 9037

POWER DIST.

PROLEC

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ZCASE M8 BATTERY POST MOUNT FUSE BAR 2-4 POLE

Littelfuse

NEW

The Battery Mount ZCASE® Fuse Holder with Busbar (BMZB) series allows you to mount fusing directly to a post-style battery terminal. This series offers a compact solution with an integrated busbar, which consolidates complex wiring around a battery system, eliminating or reducing the need for additional wiring. By creating additional fusing locations outside of the main fuse box, these products help reduce cabling and assembly time and provide localized circuit protection without modifying the existing battery harness. This product is designed to mate with M6 ZCASE® fuses, and is rated to operate with fuse ratings up to 400A. This series mounts directly to the battery post with all necessary hardware coming pre-assembled. Available in 2-, 3-, and 4-position configurations, this series serves as a scalable circuit protection solution.

Applications

- Battery-mounted circuit protection.
- Secondary circuit protection for applications and motors such as trucks.
- Best used for hydraulics, electric pumps, or other secondary motors.

Features:

- Specifically designed to relocate circuit protection closer to a vehicle battery.
- Integrated busbar.
- Plastic cover (3 & 4 pole only) & overmolded housing.
- Battery clamp oriented to provide clearance for wire routing.

Part Number	Description -
FHZ210	Negative Post Mount Fuse Holder 2 Position No Cover (-)
FHZ310	Positive Post Mount Fuse Holder 3 Position with Cover (+)
FHZ410	Strap Mount Fuse Holder 4 Position with Cover

Voltage: 32VDC
Rating: 400A Max continuous.
Operating Temp.: -40˚C to 85˚C.
Base Material: Black PPA-GF30 UL94 V-0
Cover Material: Black PBT UL94 V-0
Fuse Busbar:
Torque Battery Post: Tighten the M6 nut to 5.4 Nm to secure the base to the battery post.
Torque Zcase Fuse: Assemble nut and washer and tighten the nut to 14 Nm to secure the ring terminal to the ZCASE fuse.
Notes: Zcase fuses are not included.

FHZ210



Two fused outputs.
Negative Post



FHZ310

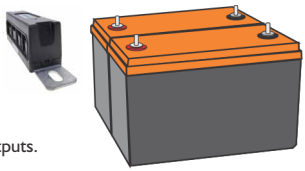


Three fused outputs.
Positive Post

FHZ410



Four fused outputs.



FHZ410 is designed to be used as a battery strap to connect the positive posts of 2 Group 31 batteries, the 4-position holder also provides 4 individual fused outputs in a convenient linear setup.



RELATED PRODUCTS:



Zcase fuse
See page 29.

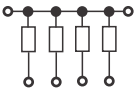


Zcase shunt
See page 29.



MRBF fuses
See page 28.

FHZ410



Four fused outputs.
Battery Strap



JCASE FUSE MODULE SEALED - 3 POLE

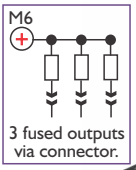
GEP POWER PRODUCTS

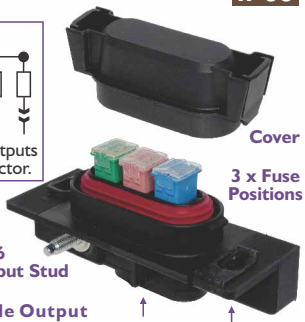
This 3 Pole Jcase fuse module with common M6 stud feed suits high amperage circuit protection applications in harsh environments with limited space. This sealed, compact and connectorized fuse module is a cost effective and installation friendly circuit protection solution. Surface mount or panel mount. Speed nuts included.

NEW

IP66

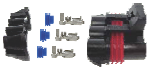
Part Number	Description
JCU-3P-000-P	3 Pole Jcase Fuse Module, Cover + M6 Input Stud
JCUCK	3 Way Female Connector Kit (Terminal 3 - 5 mm²)
12124685	3 Way Female Connector with Red Seal
12045699	Connector TPA, Terminal Position Assurance
12052457	Female Terminal 20-18AWG, 0.5 - 0.8 mm² Wire
12052455	Female Terminal 16-14AWG, 1 - 2 mm² Wire
12052456	Female Terminal 12-10AWG, 3 - 5 mm² Wire
15324997	Cable Seal, 1.60 - 2.40mm Diameter Wire, Tan
15324995	Cable Seal, 2.00 - 2.90mm Diameter Wire, Red
15324994	Cable Seal, 2.80 - 3.80mm Diameter Wire, Grey
15324996	Cable Seal, 3.60 - 4.50mm Diameter Wire, Blue
12059255	Cavity Plug 9.8mm diameter Light Green





Voltage: 32VDC. **Rating:** For use with 3 x Jcase fuses (20A - 60A)
Temperature rating: 120°C (250°F).
Materials: Cover and housing - Nylon 66 **Housing Seal:** Silicon.
Terminals: Tin Brass / Tin plated. **Input Stud**: M6 Zinc plated steel.
Ingress Protection Rating: IP66. **Mounting:** Surface or Panel.
Output Connector: Delphi MP 630 series female connector. RoHS
Notes: Fuses, connector, TPA, terminals, seals and plug not included.

3 Way Female Output Connector Kit



Scan this QR Code for more information

QR Code: 9043

RELATED PRODUCTS:

Jcase fuses 32V (See page 21).



Female Terminals Seals and Plug:



MIDI FUSE DISTRIBUTION BLOCK 3 POLE

Littelfuse

Eliminates splices & multiple fuse holders. 2 spare Midi fuses can be fitted to the inside of the cover.
Single input power cable connects to a 3 pole internal busbar to feed 2 or 3 fused output cables.
Suited for near the battery applications and can be mounted in exposed locations.
Water-proof and dust-proof fuse holder with a very high IP rating (IP69K).
Developed for high current loads, and harsh conditions.

NEW

IGNITION PROTECTED

IP69K

58V

Part Number	Fuse Block Description
04980933	3 Pole Midi Fuse Module Kit

Module Kit 04980933



04980933 Module Kit Contents
1 x Base with tethered cover & seal.
1 x Busbar powers up to 3 fuses from a single input cable.
6 x Nuts to secure up to 3 Midi fuses.
6 x Cable seals of assorted sizes.
1 x Cavity plug, required if you only install 2 x Midi fuses.
2 x Cable seal caps to secure cable seals into unit.
4 x Screws to secure 2 spare fuses to inside cover.
1 x Instruction sheet.
Module kit does not include ring terminals or fuses.

Circuit Diagram



3 Fused Outputs



Voltage: 58VDC max. **Rating:** Maximum total current 200A.
Wire Size: 16 or 25mm² (input cable), 6 to 16mm² (output cables).
Temperature Rating: -40°C to +85°C. **Body & Cover:** UL 94-V0.
Ingress Protection Rating: IP67, IP69K when cover, cable seals & caps are installed.
Cavity Plug: Included cavity plug must be fitted if using only 2 x Midi fuses.
Mounting: Surface mount using 3 fixing holes (M6 or 1/4").

Scan this QR Code for more information

QR Code: 9042

RELATED PRODUCTS:

Midi fuses 32V (See page 24).



Midi fuses 58V (See page 24).



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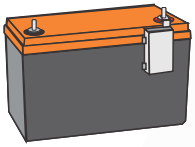
Email: info@prolecproducts.com.au
Web: www.prolecproducts.com.au

FUSED BATTERY DISTRIBUTION UNIT 3 WAY STUD SIDE MOUNT

Features:
- Suits up to 3 x Midi fuses 32Vdc.
- Includes cover and internal adhesive label.
- Include 90 degree copper tin plated busbar.
- Angled busbar saves valuable bonnet space.
- Cable feeds through slots in the housing.
- Small size with easy access durable clip on lid.
- Includes 6 x M5 self locking nylon flanged nuts.

Part Number	Description
0300468	3 Way Midi Fuse Housing & 90° Busbar

90 Degree Busbar M8



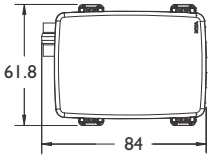
Side Mount

NEW

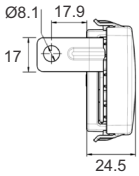


Clip On Cover

Voltage: 32VDC
Rating: 90A Max at 85°C.
Hardware: Includes M5 flanged nuts.
Studs: M5 threaded zinc plated steel studs.
Flammability: UL94
Wire Size: 8mm² to 35mm²
Operating Temperature: -30°C to +120°C
Pack Size: 1, 10, 100
Notes: Fuses are not included.

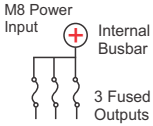






Dimensions in MM

Circuit Diagram



RELATED PRODUCTS:





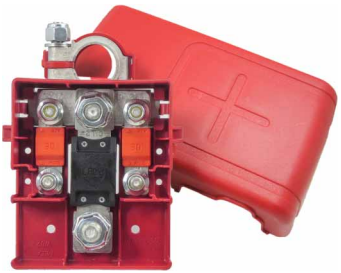
Midi fuse
See page 24

3 Way Post Terminal
See page 162

FUSED BATTERY DISTRIBUTION UNIT 3 WAY POST MOUNT

Features:
- Suits 2 x Midi fuses and 1 x Mega fuse or Powerval fuse.
- Includes durable clip-on cover with distinct red housing.
- Cable feeds through slots in the housing.
- Double ring (19mm) connection to positive top post battery terminal.
- Fully insulated cap prevents accidental short circuits.
- Saves money by using one product that does the same as a battery terminal, terminated cable and a fuse box.

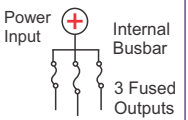
Note: Fused BDU includes 4 x M5 nuts with nylon insert, 2 x M8 nuts, 1 x M8 washer, busbar & housing. Fuses are not included.



Base shown with fuses fitted

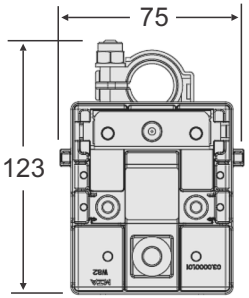
Part Number	Description
00011	3 Way Battery Dist. Unit & (+) Red Cover Only. No fuses.
00011FDUK	Kit Inc. - BDU +Cover, 1 x POWCAL2, 2 x MID030 Fuses.

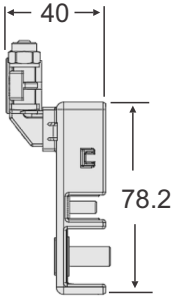
Circuit Diagram



Busbar







Dimensions in MM

RELATED PRODUCTS:



Midi fuse
See page 24



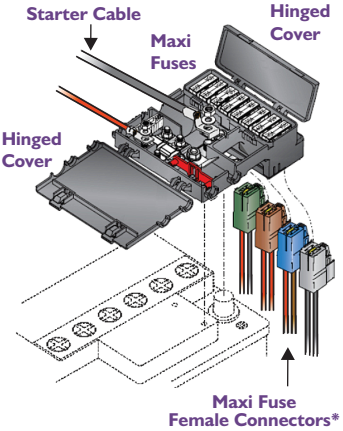
Mega fuse
See page 25



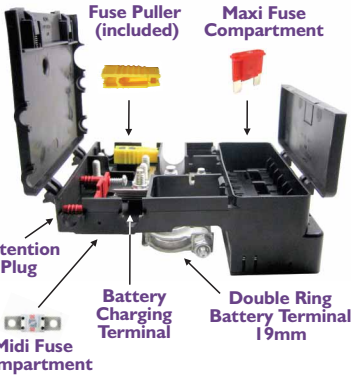
Powerval
See page 26

FUSED BATTERY DISTRIBUTION UNIT 10 WAY

Features:
- Suits 8 x Maxi fuses & 2 x Midi fuses (not included).
- 2 Hinged covers for easy access to either Maxi fuses or Midi fuses.
- Simple double ring (19mm) connection to positive battery terminal.
- Includes battery charging terminal & one fuse puller.
- Opening for the starter cable to pass into unit.
- A large assortment of terminals & power connectors (not included).
- 4 colour-coded sockets for polarized power connectors to Maxi fuses.
- Common feed powers all fuse positions.

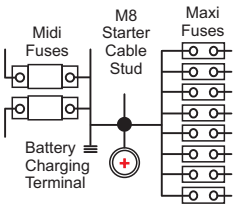


Part Number	Description
00710	10 Way Fused Battery Power Distribution Unit With Covers
40300	Maxi Fuse Connector Female Black 2 Way - N. Polarized
40310	Maxi Fuse Connector Female Blue 2 Way - Polarized
40340	Maxi Fuse Connector Female Grey 2 Way - Polarized
40325	Maxi Fuse Connector Female Green 2 Way - Polarized
40330	Maxi Fuse Connector Female Brown 2 Way - Polarized
07650BK	Maxi Fuse Connector F Terminal 1.5 to 2.5mm² 20A (BK/RL)
07660BK	Maxi Fuse Connector F Terminal 4 to 6mm² 36A (BK/RL)
07670BK	Maxi Fuse Connector F Terminal 8 to 10mm² 50A (BK/RL)
07671BK	Maxi Fuse Connector F Terminal 16mm² 75A (BK/RL)
08240RL	Midi Fuse M5 Terminal 2.5 to 4mm² 28A, (RL) (Pack 3000)
08245RL	Midi Fuse M5 Terminal 6.0 to 8mm² 48A, (RL) (Pack 2400)
08250RL	Midi Fuse M5 Terminal 10 to 16mm² 75A, (RL) (Pack 2400)
05925RL	Midi Fuse M5 Terminal 25 to 35mm² 125A, (RL) (Pack 800)

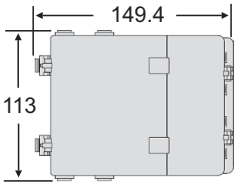


Ordering Notes:
1. Distribution unit does not include fuses, terminals or connectors.
2. Only 1 x Midi terminal is required for each Midi fuse.
3.*Each connector plugs into 2 x Maxi fuses and requires 2 terminals.
Non-polarized (black) connector plugs into any of the 4 sockets. Polarized connectors only plug into their colour-coded socket eg. blue connector into blue socket. Each connector plugs into 2 x Maxi

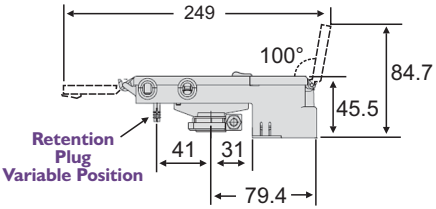
Circuit Diagram







Dimensions in MM



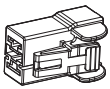
RELATED PRODUCTS:



Maxi Fuse (see p.18)



Midi Fuse (see p.24)



Maxi Fuse Connector & Secondary Lock



Maxi Fuse Connector Female Terminals



Midi Fuse M5 Terminals (Indent Items)

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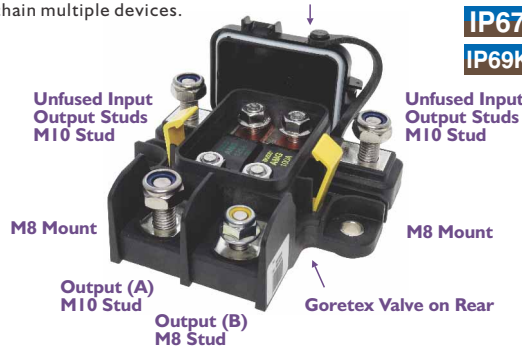
MEGA FUSE HIGH POWER DISTRIBUTION MODULE 2 POLE

MTA

The 2 Pole High Power Distribution Module provides two high current Mega fuse protected circuit outputs, as well as an un-fused output that can optionally be used to parallel multiple modules or deliver power to circuits which do not require circuit protection or to daisy chain multiple devices.

NEW
70V
IP67
IP69K

Part Number	Description	Label
0301887	2 Pole with Cover 32V	■
0300419	2 Pole with Cover 70V	■



Voltage: Varies see above.
Max Input Current: 600A
Max Fuse Rating Per Circuit: 250A
Ingress Protection Rating: IP67, IP69K
Stud Terminals: Copper Tin Plated.
Dimensions: 129 x 125 x 45mm
Cover Label: 32V (White), 70V (Blue)
Notes: Mega fuses not included.
Either side can be input or un-fused outputs.
Un-fused output. (eg. starter). Two fused outputs.

RELATED PRODUCTS:



Mega Fuse 32V &70V
(See p.25)



Tubular Terminals
M8 & M10 (See p.188)

Circuit Diagram



Scan this QR Code for more information

QR Code: 9022

MEGA FUSE DISTRIBUTION BLOCKS 5 POLE

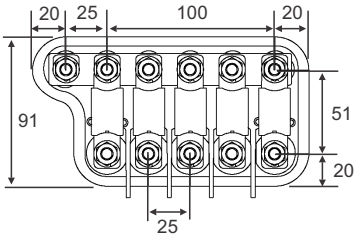
Bussmann

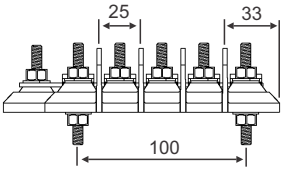
Heavy duty power distribution module for main branch primary fusing.
Common busbar requires just one input connection to power all the fuses.

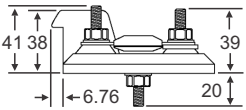
Part Number	Description
LMG5-1-001	5 Pole with stud input and cover



Rating: Maximum total combined rating is 300A continuous.
Maximum ampere rating based on fuses, input & output wiring.
Body: Black UL-Rated 94 V0 thermoplastic.
Studs: 5/16"-18 plated steel (E), optional M8 metric studs(M).
Hardware: Includes busbar, nuts & lock washers.
Cover: Red EPDM (provides protection from accidental shorts).
Temperature:-40°C to 85°C. **Notes:** Fuses are not included.



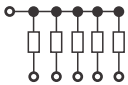




Dimensions in MM

5 pole block has 3 input stud holes to provide 50 or 100mm spacing between the 2 studs.

Circuit Diagram



RELATED PRODUCTS:
Mega Fuses (see p.25)



POWER DIST.

4 X MEGA & 2 X MIDI DISTRIBUTION BLOCK

Littelfuse

IP66 NEW

The Littelfuse LTX Power Distribution Module is a high current sealed primary fuse box that can be placed in or near the battery box to fuse major feeder cables. The unit features a single bussed power input to all 4 MEGA® and 2 MIDI® fuses.



Features

- Common power input reduces the number of large gage cables that need to attach to battery .
- Put all the high current fusing in one sealed location (IP 66)*.
- Gore-Tex breather prevents temperature changes from pulling in moisture.
- Broad range of values for MEGA® and MIDI® fuses allow for use in a variety of applications.



Voltage: 32VDC.
Max Total Current: 240A.
Terminal Stud Size: M5 (Midi fuse) / M8 (Mega fuse).
Flammability Rating: UL94-V0
Input Wire Size: 50mm².
Output Wire Sizes: 16-35mm² (Mega), 10-16mm² (Midi)
Hardware: S/S nuts & spring washers included.
Seals & Plugs: Not included, please order separately.
Ingress Protection Rating: IP66.
Seals / plugs must be installed to achieve IP66 rating. Please ensure seal flange is completely pressed through the hole to ensure a good seal on the inside of the block as shown in the image.
Temperature Rating: -40 °C to +120 °C
Notes: A cavity plug is required for each opening that is not fitted with a cable & cable seal. Fuses are not included.



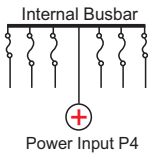
Part Number	Fuse Block Description
07981002ZXS	6 Pole Fuse Block with Cover, Busbar, Nuts & Washers.

Part Number	Seal & Plug Accessories	Colour	Cable Diameter	Position
868-952	Cable Seal suits Midi Fuse	Yellow	10 mm²	P1, P7
868-953	Cable Seal suits Midi Fuse	Green	16 mm²	P1, P7
868-955	Cable Seal suits Mega Fuse	Blue	16 mm²	P2, P3, P5, P6
868-956	Cable Seal suits Mega Fuse	Yellow	25 mm²	P2, P3, P5, P6
868-957	Cable Seal suits Mega Fuse	Yellow	35 mm²	P2, P3, P5, P6
868-958	Cable Seal suits Input Cable	Yellow	50 mm²	P4
868-951	Cavity Plug suits Midi Fuse	Grey	-	P1, P7
868-954	Cavity Plug suits Mega Fuse	Grey	-	P2, P3, P5, P6

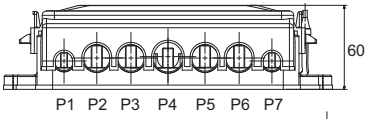
Note:
Seals must be fully pressed into block as shown in this image.

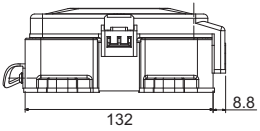


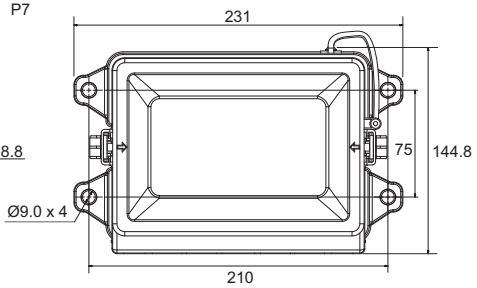
Circuit Diagram



(6 Fused Outputs in Total)
2 x Midi Fuse Outputs
4 x Mega Fuse Outputs







Dimensions in MM

RELATED PRODUCTS:



Midi fuse
(see p.24)



Mega fuse
(see p.25)

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2 X MEGA & 3 X MIDI DISTRIBUTION BLOCK 70V

Littelfuse

NEW

IP69K

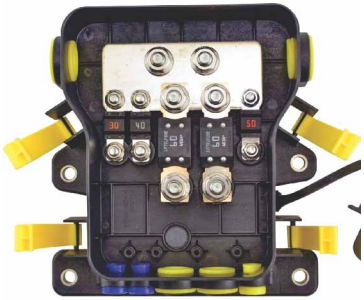
The MDB5 is a sealed high current primary fuse box that can be placed in the battery box or under hood as the first line of circuit protection and power distribution for a vehicle. It can fit 2 x MEGA and 3 x MIDI fuses. Input power can be connected using one or two input cables depending on continuous current requirement. When fitted with included seals it is IP67/69K rated providing high protection in harsh environments. Yellow tool-less latches secure the cover which acts as secondary lock to hold in cable seals even when wires are arranged for routing.

Features

- Sealed primary fusing that can be placed close to the battery in a harsh environment.
- Capability to handle fuse ratings from 23-500A and voltages up to 70V.
- Full range of fuses for applications from 12V-48V+.
- User choice of either unsealed or IP67/69K rating when fitted with included seals.
- Poke-Yoke mounting pattern for easier assembly.

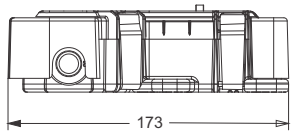


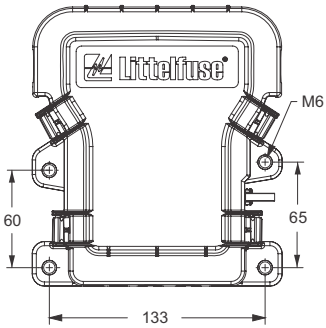
Part Number	Fuse Block Description
07985003ZXS	5 Pole Fuse Block with Cover & Seal, Busbar, Nuts, Washers and Cable Seal Kit (as detailed below).



Voltage: 70VDC.
Continuous Current: 400A with two inputs or 200A with one input.
Terminal Stud Size: 3 x M5 (Midi fuse) / 2 x M8 (Mega fuse).
Input Stud Size: 2 x M8
Input Wire Size: 50mm².
Output Wire Sizes Mega: 2 positions : 16mm², 25mm², 35mm²
Output Wire Sizes Midi: 3 positions : 6-10mm², 10-16mm²
Hardware: S/S nuts & spring washers included.
Fuse Terminal Torque Mega: 32V 15±3Nm, 70V 20±1Nm
Fuse Terminal Torque Midi: 32V 6±1 Nm, 70V 9±1Nm
Flammability Rating: UL94-V0
Cable Seals & Cavity Plugs Assortment: Included.
Ingress Protection Rating: IP69K with seals installed.
Seals / plugs must be installed to achieve IP66 rating. Please ensure seal flange is completely pressed through the hole to ensure a good seal on the inside of the block as shown in the image.
Temperature Rating: -40 °C to +105 °C
Notes: A cavity plug is required for each opening that is not fitted with a cable & cable seal. Cable seals and cavity plugs must be fully pressed into block. Fuses are not included.







Included Cable Seal Kit:
2 x Input Cable Seal 50mm²
1 x Input Cavity Plug
2 x Output Seal Mega 35mm²
1 x Cavity Plug Mega
3 x Output Seal Midi 10-16mm²
1 x Cavity Plug Midi

RELATED PRODUCTS:



32V Midi Fuse
(see p.24)



58V Midi Fuse
(see p.24)

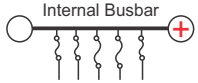


32V Mega Fuse
(see p.25)



70V Mega Fuse
(see p.25)

Circuit Diagram
Internal Busbar



4 X AUTO FUSE & 3 X MIDI FUSE PDM

TERRA POWER SYSTEMS

Littelfuse

Protect high and low-amp circuits with this PDM. Holds 3 x MIDI fuses and 4 x Auto fuses. The Auto fuse output circuits are wired to an integrated sealed 4-way connector (P/N: XTCK4). A common power input stud provides power for the 7 fuses via a tin-plated copper busbar. Stainless steel studs & hardware provide superior corrosion resistance.

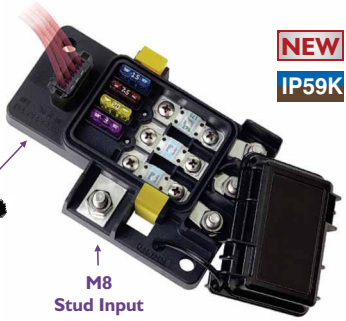
NEW

IP59K

Part Number	Description
880073	Power Dist Module 350A
XTCK4	4 Way Connector Plug Kit



4 Way Connector Plug Kit (P/N: XTCK4)



M8 Stud Input

Voltage: 32VDC (limited by fuses).
Maximum Continuous Current : 350A.
Max Fuse Rating Per Circuit (Midi): 170A.
Max Fuse Rating Per Circuit (Auto): 30A.
Module Contents: Includes cover with gasket.
IP Rating: IP59K **Dimensions:** 152 x 102 x 45mm
Notes: Auto fuses & Midi fuses not included.

RELATED PRODUCTS:



Auto fuse 32V & 58V
(see page 16-17)



Midi fuse 32V & 58V
(See page 24)

Scan this QR Code for more information

QR Code: 9017

4 X AUTO FUSE & 3 X MIDI FUSE PDM

TERRA POWER SYSTEMS

Littelfuse

The 880076 SL series integrated fuse block is designed to power to 3 x switched high-amp circuits using either a remote switch or the manual switch on the block. This block also includes 4 x low-amp always- on circuits to power loads like clock, alarms etc. All 7 x output circuits are fuse protected. Power is output via 3 studs (high-amp circuits) or a single 4 wire connector (low-amp circuits).

NEW

IP59K

Part Number	Description
880076	Power Dist Module with Remote & Manual On/Off Switch
880092	Illuminated Remote Control Switch SPDT (On)Off(On)
MX150FK6	6 Way Remote Switch Connector Kit. Terminals included.
XTCK4	4 Way Plug Connector Kit. Terminals included.



Power Distribution Module (P/N: 880076)



Remote Control Switch (P/N: 880092)



6 Way Remote Switch Connector Kit (P/N: MX150FK6)



4 Way Plug Connector Kit (P/N: XTCK4)

Voltage: 32VDC (limited by fuses).
Switch Continuous Ampere Rating: 300A at 85°C, 240A at 105°C
Switch Cranking Rating: 10 sec. 1000A
Max Operating Ampere Per Block: 240A (Midi fuse), 50A (Auto fuse)
Max Operating Ampere Per Circuit: 170A (Midi fuse), 20A (Auto fuse)
Fuse Ampere Ratings: 30A-200A (Midi fuse), 1A-20A (Auto fuse)
Studs: Tin-plated copper, M8 x 1.25
Midi Fuse Screws: M5 x .8 x 10
Hardware: Stainless steel
Operating Temperature: -50°C to 105°C
Module Contents: Includes cover with gasket.
Mounting: Mount as close as possible to the battery, but not above vented lead acid batteries. Mount in a dry protected location. Where possible mount in a vertical orientation. Do not mount upside down.
IP Rating: IP59K / IP66
Ignition Protected: SAE J1171, ISO 8846
Dimensions (LxWxH): 146 x 122 x 73mm
Notes: Auto fuses, Midi fuses and connectors are not included.

RELATED PRODUCTS:



Auto fuse 32V & 58V
(see page 16-17)



Midi fuse 32V & 58V
(See page 24)

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6 X AUTO FUSE & 4 X MIDI FUSE PDM

TERRA POWER SYSTEMS

Littelfuse

IP59K

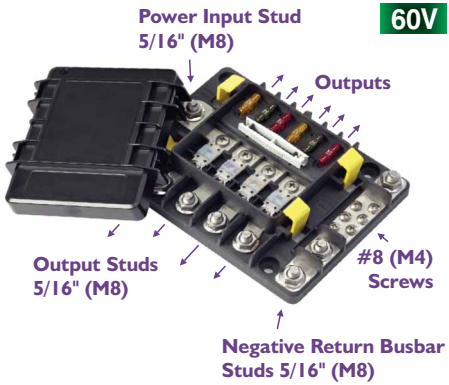
IGNITION PROTECTED

60V

Protect high and low-amp circuits via single power input stud with a collection point for ground returns. Ignition protected fuse block with screw termination.

Features:
- 600A Continuous Current Rating. 10 Fuse Output Circuits.
- One common power input stud feeds power to all fuses.
- Protects up to 4 high-amp and 6 low-amp circuits, (20A-200A Midi fuses and 1A-40A Auto fuses).
- Negative bus provides common location for ground returns.
- Eliminates battery-box clutter, saves space & reduces cost.

Part Number	Description
880089	Power Dist Module 600A



Voltage: 60VDC (limited by fuses).
Max Total Continuous Current : 600A.
Max Cont. Current Per Circuit: 170A (Midi) / 30A (Auto).
Module Contents: Includes fuse puller, cover & gasket.
IP Rating: IP59K
Dimensions: 165 x 127 x 51mm.
Notes: Auto fuses & Midi fuses not included.

RELATED PRODUCTS:

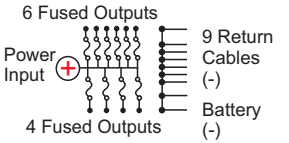


Auto fuse 32V & 58V
(see page 16 - 17)



Midi fuse 32V & 58V
(See page 24)

Circuit Diagram



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QR Code: 9021

6 X AUTO FUSE & 4 X MIDI FUSE PDM

TERRA POWER SYSTEMS

Littelfuse

IP59K

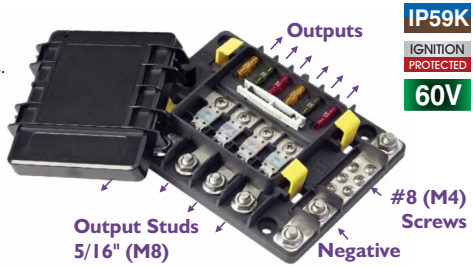
IGNITION PROTECTED

60V

POWER DIST.

Features:
- 170A Continuous Current Rating. 9 Fuse Output Circuits.
- Common power input fed via a MIDI Fuse to power to all fuses.
- Protects up to 3 high-amp and 6 low-amp circuits, (20A-200A Midi fuses and 1A-40A Auto fuses).
- Negative bus provides common location for ground returns.
- Eliminates battery-box clutter, saves space & reduces cost.

Part Number	Description
880094	Power Dist Module 170A



Voltage: 60VDC (limited by fuses).
Max Total Continuous Current : 170A (200A Midi fuse fitted).
Max Cont. Current Per Circuit: 170A (Midi) / 30A (Auto).
Module Contents: Includes fuse puller, cover & gasket.
IP Rating: IP59K
Dimensions: 165 x 127 x 51mm.
Notes: Auto fuses & Midi fuses not included.

RELATED PRODUCTS:

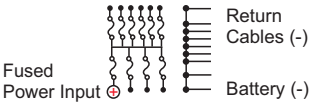


Auto fuse 32V & 58V
(see page 16 - 17)



Midi fuse 32V & 58V
(See page 24)

Circuit Diagram



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QR Code: 9044

FUSED BATTERY DISTRIBUTION UNIT 3 WAY

MTA

NEW

IP22



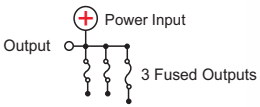


Features:
- Suits 2 x Midi fuses and 1 x Mega fuse or Powerval fuse.
- Includes durable hinged cover with common bus.
- Cable feeds through slots in the housing.
- Double ring (19mm) connection to positive top post battery terminal.
- Saves money by using one product that does the same as a battery terminal, terminated cable and a fuse box.

Part Number	Description
0300839	1x Mega Fuse + 2x Midi Fuse BDU

Voltage: 32V **Rating:** TBA
Pack Size: 1, 10, 20
Notes: Fuses are not included.

Circuit Diagram



FUSED BATTERY DISTRIBUTION UNIT 4 WAY

MTA

NEW

IP22



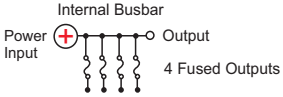


Features:
- Suits 4 x Midi fuses with common bus.
- Includes clip on cover.
- Cable feeds through slots in the housing.

Part Number	Description
0300552	4x Midi Fuse BDU

Voltage: 32V **Rating:** 120A
Pack Size: 1, 10, 20
Notes: Fuses are not included.

Circuit Diagram



FUSED BATTERY DISTRIBUTION UNIT 4/6 WAY PLUS

MTA

NEW

IP53

Features:
- Includes durable splash proof clip-on cover.
- Cable feeds through slots in the housing.
- Includes common bus and M5 / M8 nuts.
- Can house 1 x MTA modular fuse / relay module.
- Can house 5 x MTA Mini fuse housing accessories.

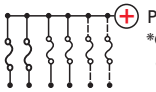
Part Number	Description
0301865	2x Midi Fuse, 2x Mega Fuse* BDU
0301873	4x Midi Fuse, 2x Mega Fuse BDU

Voltage: 32V **Rating:** 150A **Pack Size:** 1, 10, 20
Note: Includes housing, cover, internal busbar and all nuts for fuses and input stud. Nuts feature a nylon insert.
* Can accommodate electronic Battery Disconnect Switch. Modules, Mini fuses and Mini fuse housings are not included.



0301873 Pictured

Circuit Diagram(s)



Power Input (Internal Busbar)
*Quantity of fuses depends on the product selected.

RELATED PRODUCTS:



Mini Fuse (See p.15)



Midi Fuse (See p.24)



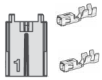
Mega Fuse (See p.25)



ISO Relays ISO 280 (See p.164-168)



Fuse / Relay Modules (See p.138)



Mini Fuse Housing (See p.86)

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QR Code: 9049

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FUSED POWER DIST. MODULE SEALED - 4 WAY

Littelfuse

Features:
- Accommodates low to medium current fuses. Amperage range 2 A to 60A.
- Accommodates 2 x Mini fuses (fast acting) and 2 x Jcase fuses (slow acting).
- Internal bussing. One input connection to power four fuse circuits.
- Secondary locks are included to secure each wire terminal in the holder.
- The holder is a sealed module enabling it to be used in heavy duty environments.



PDM Module
BPDMA104HXF1

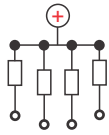
Voltage: 32VDC **Temperature Rating:** -40°C to +85°C.
Rating: 100A at 23°C, 70A at 85°C.
Fuses not to exceed 70% of rated current continuously.
Body & Cover: Black thermoplastic UL 94V-0.
Mounting: Screw mount bracket M6 (torque: 6-8Nm).
Cover Gasket: Green silicone. **Ingress Protection Rating:** IP67
When cover, cable seals & cavity plugs are installed.
Input Stud: M6 zinc plated steel (torque: 6-8Nm)
Terminal Ratings: 30A max per terminal (Mini fuse).
60A max per terminal (Jcase fuse).
Secondary Locks: PA66 (TPA's included).
Cable Seals: Please check the overall diameter of your cable before ordering cable seals.
Cavity Plugs: Required to fill unused output cavities for ingress protection.
Notes: Terminals, cable seals, cavity seals & fuses are not included.
Mini bladed circuit breakers are not suitable for use in this product.
Approvals: RoHS



PDM Module & Terminal Kit
PDMKIT101

Part Number	Module & Terminal Kit Contents
PDMKIT101	Base with Silicon Seal, Finger Release Cover, Mounting Bracket and 3 x TPA's. Terminals (2 x 12129493, 2 x 15344631), Cable Seals (2 x 15324980, 2 x 15324994), Plugs (1 x 12010300, 1 x 12059255).

Part Number	Module Contents Only
BPDMA104HXF1	Base with Silicon Seal, Finger Release Cover, Mounting Bracket and 3 x TPA's.



4 Fused Outputs

POWER DIST.

ACCESSORIES TO SUIT MINI FUSES: Delphi Metri-Pack 280

TERMINALS: TANGED
Female Sealed - Tin Brass /Tin Plated



Part Number	Wire (AWG)	Wire (mm²)
12084201	#22 - #20	0.35 - 0.5
12077411	#18 - #16	0.80 - 1.0
12129493	#14 - #12	2.0 - 3.0
12077413	#10	5.0

CABLE SEALS:
Silicone



Part Number	Cable Dia.(mm)	Colour
15324983	1.70 - 1.29	Dark Red
15324982	2.85 - 2.03	Green
15324980	3.49 - 2.81	Grey
15324981	4.30 - 3.45	Blue

CAVITY PLUG:
Silicone

Part Number
12010300

ACCESSORIES TO SUIT JTF FUSIBLE LINKS: Delphi Ducon 6.3

TERMINALS:
Male Sealed - Tin Brass /Tin Plated



Part Number	Wire (AWG)	Wire (mm²)
15344632	#16 - #14	1.5 - 2.5
15344631	#12 - #10	4.0 - 6.0

CABLE SEALS:
Silicone



Part Number	Cable Dia. (mm)	Colour
15324997	2.40 - 1.60	Tan
15324995	2.90 - 2.00	Dark Red
15324994	3.80 - 2.80	Grey
15324996	4.50 - 3.60	Blue

CAVITY PLUG:
Silicone



Part Number
12059255

RELATED PRODUCTS:



Mini Fuse
(see p.15)



Jcase Fuse
(see p.21)



Crimping Tools
(see p.185)

Terminal Removal Tool
(see p.186)

Scan this QR Code for more information

QR Code: 9003

IP66



PDMKITALS1, Tall Cover PDM Kit

This module can be fitted with a mixture of 280 style components such as Mini fuses, mini circuit breakers, mini diodes, mini resistors and ISO 280 relays. It's compact size means it can be installed anywhere thereby eliminating excessive wiring in harnesses.

Voltage: 32V **Temperature:** -40°C to +125°C
Rating: 120A max* (100A when following SAE guidelines)
Combined maximum current of positions 1 & 2 is 60A for fuses / 30A for circuit breakers. The same applies for positions 3 & 4.
Module is rated 50A max when fitted with an ISO 280 micro relay.
*Please contact sales for max amperage guidelines
Module Contents: Module includes cover, base with seal & bracket.
Terminal Capacity: 8 terminals on a layout matrix of (2 x 4).
Terminals: Delphi Metri-Pack 280 Female Sealed TANGED.
Cover: 94V0 Clear Polycarbonate. Short or tall cover options.
Base: 94V0 Thermoplastic. Black is standard.
Base Colour Options: Contact sales.
Bracket Option: Side B028-7013, End B028-7015, Pin B028-7016.
Ingress Protection Rating: IP66 (Valid when properly installed with cover, cable seals and cavity plugs).
Cavity Plugs: Required to fill unused output cavities for ingress protection. Silicone material UL94-V0.
Cable Seals: Please check the overall diameter of your cable before ordering cable seals. Silicone material UL94-V0.
Terminal Tools: Terminal crimping & removal tools page 185-186.
Notes: Fuses, circuit breakers and relays are optional extras.



Mini Fuses Installed



Ultra Micro Relay, Mini Fuse & Breaker

Part Number	Kit Contents:	
PDMKITALS1	Tall Cover*, Base, Side Bracket, 8 x 3.0mm² Terminals, 8 x Seals, 4 x Plugs & TPA	NEW
PDMKITASS1	Short Cover, Base, Side Bracket, 8 x 3.0mm² Terminals, 8 x Seals, 4 x Plugs & TPA	NEW

Part Number	Description	
CFH-ALS	Tall Clear Cover*, Base and Side Bracket	
CFH-ALE	Tall Clear Cover*, Base and End Bracket	NEW
CFH-ASS	Short Clear Cover, Base and Side Bracket	
CFH-ASE	Short Clear Cover, Base and End Bracket	NEW
12084201	Terminal Female (#22-20AWG), 0.35 - 0.5mm²	
12077411	Terminal Female (#18-16AWG), 0.80 - 1.0mm²	
12129493	Terminal Female (#14-12AWG), 2.0 - 3.0mm²	
12077413	Terminal Female (#10AWG), 5.0mm²	
15324983	Cable Seal Dark Red, 1.70 - 1.29mm Cable Dia.	
15324982	Cable Seal Green, 2.85 - 2.03mm Cable Dia.	
15324980	Cable Seal Grey, 3.49 - 2.81mm Cable Dia.	
15324981	Cable Seal Blue, 4.30 - 3.45mm Cable Dia.	
12010300	Cavity Plug Green, 6.7mm Cavity inside Dia.	
32006-TP2	Secondary Lock (TPA). Secures Terminals.	

Short Cover Side Bracket



Tall Cover Side Bracket



Short Cover End Bracket



Tall Cover End Bracket



Component Loading Options:
- 4 x Mini fuses or Mini Blade circuit breakers or combination.
- 2 x Ultra Micro 280 Relays (4 pin only).
- 1 x Micro 280 Relay (4 or 5 pin).
- 2 x Mini fuses or Mini Blade circuit breakers or combination & 1 x Ultra Micro 280 Relay (4 pin only).

Note: *Tall cover is required when fitting relays & breakers.

RELATED PRODUCTS:



Mini Fuses, Mini Resistors, Mini Diodes, Mini Shunts & Mini Blade Circuit Breakers.



ISO 280 Relays, Ultra Micro & Micro, 12VDC or 24VDC.



Tanged Cables & Tanged Jumpers. (see p.186)



Splice Connectors. (see p.188)

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QR Code: 9010

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POWER DIST. MODULE SEALED - 12 POSITION

Littelfuse

IP69K IP67 58V

The HWB12 series is a 12 position PDM providing a compact, durable and sealed power distribution solution for the transportation market. It is designed to accept 280 style components. Mini fuses, Mcase Unslotted fuses w/adapter, Mini Circuit Breakers, Mini Diodes / Resistors, Ultra Micro 280 Relays, Micro 280 Relays, Mini 280 Relays and 280 Flashers.



Module Contents: Module includes base, clear cover, seal, straight mounting bracket and 3 secondary terminal locks (TPA's).
Accessory Components: Terminals, cable seals & cavity plugs, mini fuses, mini blade circuit breakers, ISO 280 ultra micro and ISO 280 micro relays.
Terminal Capacity: 12 terminals on a layout matrix of (2 x 6).

Voltage Rating: 58VDC **Temperature Rating:** -40°C to +105°C.
Maximum Continuous Current: 135A
Maximum Fuse Rating: 30A per circuit.
Housing: PA66 GF30, Black, UL 94 V-0
Cover: Clear UL94 V-2 **Cover Seal:** Silicone, green.
Cover must be oriented correctly in order to secure yellow tabs.
Mounting Bracket: Plated steel - 90° (standard).
Wire Size: #22 - #13 AWG (0.35 to 2.5mm²).
Ingress Protection Rating: IP67 / IP69K
when cover, cable seals & cavity plugs are installed.
Cable Seals: Please check the overall diameter of your cable before ordering cable seals. Silicone material UL94-V0.
Terminals: Tyco AMP MCP 2.8, Barbed Female, Copper Tin Plated.
Terminal Tools: Terminal crimping & removal tools refer p.185-186.
Options: 30 deg. angled mounting bracket, black cover, cover tether and foam relay retention inserts.
Note : It is recommended that one foam insert be ordered for each relay & installed onto the inside of the cover as a retention device.



Part Number	Kit Contents;
PDMKIT331	Base, Clear Cover, Seal, Straight Bracket, 3 x TPA's, 12x 2.5mm² Terminals, 12x Cable Seals & 4x Cavity Plugs.

PDM Module & Terminal Kit
PDMKIT331

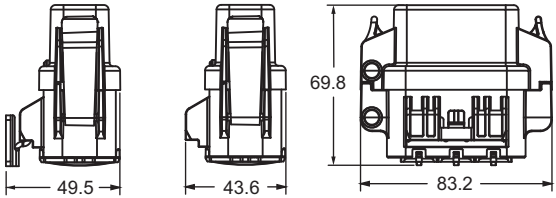
Part Number	Description
PDM33003ZXM	PDM Base, Clear Cover, Seal, 90° Bracket, 3 x TPA's
1-968896-1	Terminal Female (#22 - 20AWG), 0.35 - 0.50mm²
1-968875-1	Terminal Female (#20 - 16AWG), 0.5 - 1.0mm²
1-968876-1	Terminal Female (#16 - 14AWG), 1.0 - 2.5mm²
828904-1	Cable Seal Blue, 1.2 - 2.1mm Cable Diameter
828905-1	Cable Seal White, 2.2 - 3.0mm Cable Diameter
828922-1	Cavity Plug Clear, 5.6mm Cavity inside Diameter
901-327	Foam Relay Retention Insert (optional)
868-068	Angled Bracket 30° (optional)
890009470	Cover Tether (optional).



Female Terminals
With Locking Barbs







Dimensions in MM

RELATED PRODUCTS:



Mini Blade Fuses, LED Fuses, Resistors, Diodes, Shunts & Mini Blade Circuit Breakers.

NEW



Mcase Unslotted Fuse Adaptor to Minifuse
(# 875-584)



ISO 280 Relays Ultra Micro & Micro 4 & 5 Pin, 12V & 24V.

Scan this QR Code for more information

QR Code: 9025

POWER DIST. MODULE SEALED - 18 POSITION

Littelfuse

58V IP69K IP67

The HWB18 series is an 18 position power distribution module providing a compact, durable and sealed power distribution solution. This unit is designed for 280 style components such as mini blade fuses, circuit breakers, relays, diodes etc. with 2.8mm blades on 8.1mm centerline spacing.



PDM Module Base, Seal, Cover, TPA's & 30° Bracket

PDM Module Contents: Module includes base, seal, cover, plated steel mounting bracket (30°angled) and 3 secondary terminal locks (TPA's).
Accessory Components: Terminals, cable seals & cavity plugs, mini fuses, mini blade circuit breakers, Ultra micro 280 & Micro 280 relays.
Terminal Capacity: 18 terminals on a layout matrix of (3 x 6).
Terminal Rating: 30A max per terminal. **Maximum Fuse Rating:** 30A
Maximum Total Continuous Current: 100A @ 23°C , 70A @ 85°C
Voltage Rating: 58VDC Max. **Temperature Rating:** -40°C to +105°C.
Body & Cover: Black UL 94V-0 glass filled thermoplastic. **Body Seal:** Silicone.
Mounting Bracket: Plated steel - 30°angled (standard).
Ingress Protection Rating: IP67 / IP69K when cover, cable seals and cavity plugs are installed.
Wire Size: #22 - #10 AWG (0.35 to 5mm^2).
Cavity Plug: Required to fill unused output cavities for ingress protection.
Cable Seals: Please check the overall diameter of your cable before ordering cable seals.
Terminals: Delphi Metri-Pack 280 Female Sealed TANGED.
Terminal Tools: Terminal crimping & removal tools see page 185-186.
Notes: Fuses and relays are not included.



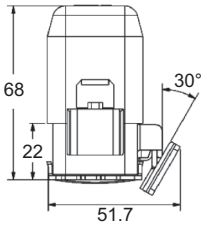
PDMKIT311 - PDM Terminal Kit

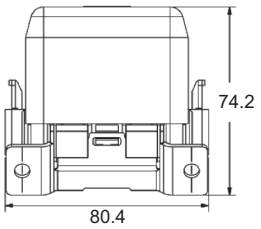
Part Number	Kit Contents
PDMKIT311	PDM Module Base, Cover, 30° Bracket, 3.0mm^2 Terminals, Cable Seals, Cavity Plugs and TPA's.
PDMKIT312	PDM Module Base, Cover, 30° Bracket, Pre-Terminated Cables & Jumpers (2.0mm^2) and TPA's.

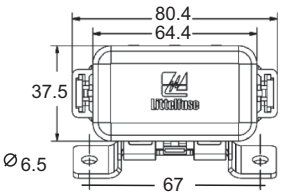
Part Number	Description
PDM31001ZXM	PDM Module Base, Seal, Cover, TPA's, 30° Bracket
12084201	Terminal Female (#22-20AWG), 0.35 - 0.5mm^2
12077411	Terminal Female (#18-16AWG), 0.80 - 1.0mm^2
12129493	Terminal Female (#14-12AWG), 2.0 - 3.0mm^2
12077413	Terminal Female (#10AWG), 5.0mm^2
15324983	Cable Seal Dark Red, 1.70 - 1.29mm Cable Dia.
15324982	Cable Seal Green, 2.85 - 2.03mm Cable Dia.
15324980	Cable Seal Grey, 3.49 - 2.81mm Cable Dia.
15324981	Cable Seal Blue, 4.30 - 3.45mm Cable Dia.
12010300	Cavity Plug Green, 6.7mm Cavity inside Dia.
868-068	30° Angled Bracket (Spare Part).



PDMKIT312 - PDM Cable Kit







Dimensions in MM

RELATED PRODUCTS:



Mini Blade Fuses, LED Fuses, Resistors, Diodes, Shunts & Mini Blade Circuit Breakers.

NEW



Mcase Unslotted Fuse Adaptor to Minifuse (# 875-584)



ISO 280 Relays Ultra Micro & Micro 4 & 5 Pin, 12V & 24V.

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QR Code: 9015

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PDM SEALED MODULE - 60 POSITION

Littelfuse

IP67 IP69K 58V

The HWB60-AL is a compact, 60 open position PDM, waterproof fuse & relay box. It is designed to accept 280 style components. Mini fuses, Mcase Unslotted fuses w/adapter, Mini Circuit Breakers, Mini Diodes / Resistors, Ultra Micro 280 Relays, Micro 280 Relays, Mini 280 Relays and 280 Flashers.



Terminal Capacity: 60 terminals on a layout matrix of (5 x 12).
Terminal Rating: 30A max per terminal. **Max Fuse Rating:** 30A
Maximum Total Continuous Current: 250A
Voltage Rating: 58VDC Max.
Wire Size: #22 - #10 AWG (0.35 to 5mm^2).
Temperature Rating: -40°C to +125°C.
Base & Cover: PA66 30% GF. **Cover Gasket:** Silicone.
Mounting: 4 holes for M6 bolts (4 - 6Nm max torque).
Terminals: Delphi Metri-Pack 280 Female Sealed TANGED.
Cavity Plugs: Fill unused output cavities for ingress protection.
Cable Seals: Check the overall diameter of your cable before ordering cable seals.
Ingress Protection Rating: IP67 / IP69K when cover, cable seals and cavity plugs are installed.
Options: Cover tether. Accessory to hold a fuse puller & spare fuses. Internal cover grid to aid relay retention.
Feature: Gang mount feature interconnects multiple modules side-by-side.
Interlocks with Littelfuse Auto fuse block, Midi-Flex fuse block, Mega-Flex fuse block and FLEC.
Base Features: Internal storage for 8 spare fuses. Terminal position numbering on underside of base.
Terminal Tools: Terminal crimping & removal tools see page185-186. **Notes:** Fuses and relays are not included.

Part Number	Kit Contents
PDMKIT711	Base, Cover, 6x TPA's, Terminals 60x 12129493, Cable Seals 60x 15324980, Cavity Plugs 10pcs.
PDMKIT712	Base, Cover, 6x TPA's, Pre-terminated Cables 2.0mm^2 x 300mm (30x Red & 30x Blue), Pre-terminated Jumper Cables 2.0mm^2 x 90mm (5x Red), 60x Splice Connectors & 10x Cavity Plugs.

Part Number	Description
PDM71003ZXM	Base, AssureLatch Cover with Gasket and 6 x TPA's.
12084201	Terminal Female (#22-20AWG), 0.35 - 0.5mm^2
12077411	Terminal Female (#18-16AWG), 0.80 - 1.0mm^2
12129493	Terminal Female (#14-12AWG), 2.0 - 3.0mm^2
12077413	Terminal Female (#10AWG), 5.0mm^2
15324983	Cable Seal Dk Red Silicone, 1.70 - 1.29mm Cable Dia.
15324982	Cable Seal Green Silicone, 2.85 - 2.03mm Cable Dia.
15324980	Cable Seal Grey Silicone, 3.49 - 2.81mm Cable Dia.
15324981	Cable Seal Blue Silicone, 4.30 - 3.45mm Cable Dia.
12010300	Cavity Plug Green Silicone, 6.7mm Cavity inside Dia.

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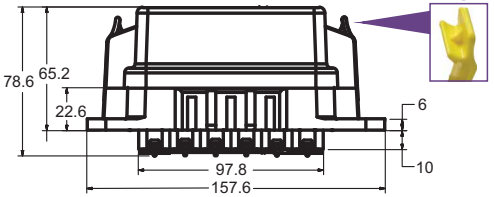
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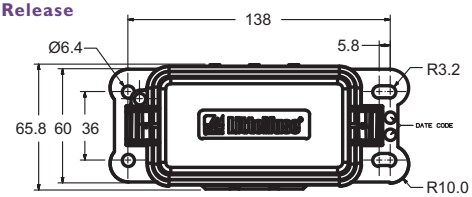


PDMKIT711 - PDM Terminal Kit



PDMKIT712 - PDM Cable Kit





Dimensions in MM

POWER DIST. MODULE SEALED - 24 POSITION

GEP POWER PRODUCTS

IP67 NEW 58V

The FRH-A24 is a 24 position power distribution module providing a compact, durable and sealed power distribution solution for the transportation market. This module can be fitted with a mix of 280 style components such as Mini fuses, Mini Circuit Breakers, Mini Diodes, Diode Keys, Mini Resistors, ISO 280 Ultra Micro and ISO 280 Micro relays.



Assembled Unit

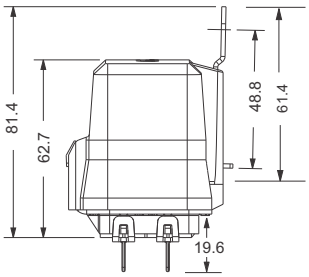
Voltage Rating: 58VDC **Rating:** 250A
Terminal Capacity: 24 terminals on a layout matrix of (4 x 6).
Terminal Rating: 30A continuous.
Terminals: Delphi Metri-Pack 280 Female Sealed TANGED.
Temperature Rating: -40°C to +125°C.
Housing: Black thermoplastic. **Seal:** Silicone, red.
Mounting Bracket: Stainless steel, straight with anti-rotation tab.
Cable Seals: Please check the overall diameter of your cable before ordering cable seals. Silicone material UL94-V0.
Cavity Plugs: Required to fill unused output cavities for ingress protection. Silicone material.
Ingress Protection Rating: IP67.
Terminal Tools: Terminal crimping & removal tools available.
Module Accessories: Optional 90 degree mounting bracket.
Components: Mini fuses, mini circuit breakers and ISO 280 relays are not included with the kit.
Approvals: RoHS REACH

Part Number	Kit Contents
PDMKIT424	Base, Seal, Cover, S.Steel Bracket, 2 x TPA's, CPA, 26 x Terminals (12129493), 26 x Seals (15324980), 6 x Cavity Plugs (12010300).



PDMKIT424 - PDM & Terminal Kit

Part Number	Description
FRH-A24	PDM Housing Black and Seal Red. 24 Position.
FRH-A24-C	PDM Cover Black.
FRH-A-CPA	PDM CPA Blue Cover Position Assurance.
FRH-A12-MB-A2	Flat Bracket Anti-Rotation Tabs Stainless Steel.
FRH-A12-T	TPA Terminal Position Assurance, 2pcs Required
PDM-TK	Diode Key Red Nylon. Drops into PDM Base Slots
12084201	Tanged Terminal Female (#22-20AWG), 0.35 - 0.5mm²
12077411	Tanged Terminal Female (#18-16AWG), 0.80 - 1.0mm²
12129493	Tanged Terminal Female (#14-12AWG), 2.0 - 3.0mm²
12077413	Tanged Terminal Female (#10AWG), 5.0mm²
15324983	Cable Seal, 1.70 - 1.29mm Cable Diameter Dark Red
15324982	Cable Seal, 2.85 - 2.03mm Cable Diameter Green
15324980	Cable Seal, 3.49 - 2.81mm Cable Diameter Grey
15324981	Cable Seal, 4.30 - 3.45mm Cable Diameter Blue
12010300	Cavity Plug, 6.7mm Cavity inside Diameter Green



Dimensions are in MM

ACCESSORIES: Delphi Metri-Pack 280

TERMINALS: TANGED
Female Sealed,
Tin Brass / Tin Plated



CABLE SEALS:
CAVITY PLUG:
Silicone



RELATED PRODUCTS:



Mini & LED Fuses, Circuit Breakers, Transorbs, Diodes, Shunts & Diode Key



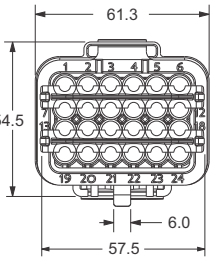
ISO 280 Relays Ultra Micro, Micro & Mini. 12VDC & 24VDC.



Tanged Cables, Jumpers & Connectors.
(see p.186)

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QR Code: 9038



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POWER DIST. MODULE SEALED - 48 POSITION

GEP POWER PRODUCTS

This 48 position power distribution module provides compact, durable and sealed main power or auxiliary power. This high density module suits a mix of 280 components such as mini fuses, mini circuit breakers, mini diodes, diode keys, mini resistors, ISO 280 Ultra micro and ISO 280 Micro relays.

IP66
58V

Voltage Rating: 58VDC **Terminal Rating:** 30A per terminal.
Terminal Capacity: 48 terminals on a layout matrix of (4 x 12).
Terminals: Delphi Metri-Pack 280 Female Sealed TANGED.
Temperature Rating: -40°C to + 125°C.
Housing: Thermoplastic, black PBT Polyester. **Cover Seal:** Silicone.
Mounting: Top or side mount options. 10.5mm moulded holes.
2 x M6 threaded mounting clips included. They are removable.
Inserted for top mount arrangement. Spare part # PDM-TMC.
Cable Seals: Please check the overall diameter of your cable before ordering cable seals. Silicone material UL94-V0.
Cavity Plugs: Required to fill unused output cavities for ingress protection. Silicone material.
Terminal Tools: Terminal crimping & removal tools available.
Components: Mini fuses, breakers and relays are not included.
Features: Terminal numbering on base rear. PDM's are interlockable.
Ingress Protection Rating: IP66. **Approvals:** RoHS REACH



48 Way PDM



Part Number	Kit Contents
PDMKIT-R3A	Base, Seal, Cover, Tether, 2 x M6 Mtg Clips, 6 x TPA's, 50 x Terminals (12129493), 50 x Seals (15324980), 10 x Cavity Plugs (12010300).

Part Number	Description
PDM-R3AC1	PDM Housing 48 Pos, Seal, Cover & 2x Mtg. Clips
PDM-TT1	TPA Terminal Position Assurance, 6pcs Required
PDM-SCT	PDM Tether Black Flexible (110mm - 160mm)
PDM-TK	Diode Key Red Nylon. Drops into PDM Base Slots
12084201	Tanged Terminal Female (#22-20AWG), 0.35 - 0.5mm^2
12077411	Tanged Terminal Female (#18-16AWG), 0.80 - 1.0mm^2
12129493	Tanged Terminal Female (#14-12AWG), 2.0 - 3.0mm^2
12077413	Tanged Terminal Female (#10AWG), 5.0mm^2
15324983	Cable Seal, 1.70 - 1.29mm Cable Diameter Dark Red
15324982	Cable Seal, 2.85 - 2.03mm Cable Diameter Green
15324980	Cable Seal, 3.49 - 2.81mm Cable Diameter Grey
15324981	Cable Seal, 4.30 - 3.45mm Cable Diameter Blue
12010300	Cavity Plug, 6.7mm Cavity inside Diameter Green

TETHER: FLEXIBLE
PDM-SCT

ACCESSORIES: Delphi Metri-Pack 280

TERMINALS: TANGED
Female Sealed,
Tin Brass / Tin Plated



CABLE SEALS:
CAVITY PLUG:
Silicone



TPA:
PDM-TTI
8 Positions



DIODE KEY:
PDM-TK



Diode key drops into PDM base slot as pictured. Nylon.



MOUNTING CLIP:
PDM-TMC



Scan this QR Code for more information

QR Code: 9041

RELATED PRODUCTS:



Mini Fuses, LED Fuses, Circuit Breakers, Transorbs, Diodes & Shunts.



ISO 280 Relays Ultra Micro, Micro & Mini. 12VDC & 24VDC.



Tanged Terminal Seal & Plug Kits.
TERMKIT002
(See page 187)



Tanged Cables, Jumpers, Splice Connectors,
(See p.186 & 188)



Crimping Tools & Terminal Removal Tool.
(See page 185 - 186)

POWER DIST. MODULE SEALED - 72 POSITION

GEP POWER PRODUCTS

NEW

IP66

58V

This sealed, compact and rugged module is an excellent power distribution solution for marine, construction, agriculture, heavy trucking, and specialty vehicle industries. It accommodates 72 terminal positions to provide component flexibility for the increasing demands of modern electrical systems.

Voltage Rating: 58VDC **Terminal Rating:** 30A per terminal.
Terminal Capacity: 72 terminals on a layout matrix of (6 x 12).
Components: Accepts Mini fuses, Mini bladed circuit breakers, ISO 280 Micro relays and ISO 280 Flashers.
Mounting: Top or side mount options. 10.5mm moulded holes. 2 x M6 threaded mounting clips included. They are removable. Inserted for top mount arrangement. Spare part # PDM-TMC.
Housing: Thermoplastic, black PBT Polyester. **Cover Seal:** Silicone.
Ingress Protection Rating: IP66
(Valid when properly installed with cover, cable seals and cavity plugs).
Wire Size: #22 - #10 AWG / 0.35mm² - 5mm²
Cavity Plugs: Required to fill unused output cavities for ingress protection.
Cable Seals: Please check the overall diameter of your cable before ordering cable seals.
Terminal Tools: Terminal crimping & removal tools available.
Temperature Rating: -40°C to +125°C (Module only)
Not Included: Terminals, cable seals, cavity plugs or mounting screws. Module does not include any plug-in components such as fuses, circuit breakers, relays etc.
Features: Gang mount feature. Interconnect multiple modules side-by-side. Terminal numbering on rear of base.
Options: Custom labels and kits. **Approvals:** RoHS REACH



72 Way PDM



Top View



Rear View

Part Number	Description
PDM-S3AC1	PDM Housing 72 Pos, Seal, Cover & 2x Mtg. Clips
PDM-SCT	PDM Tether Black Flexible (110mm - 160mm)
PDM-ST1	TPA Terminal Position Assurance, 6pcs Required
PDM-TK	Diode Key Red Nylon. Drops into PDM Base Slots
12084201	Tanged Terminal Female (#22-20AWG), 0.35 - 0.5mm²
12077411	Tanged Terminal Female (#18-16AWG), 0.80 - 1.0mm²
12129493	Tanged Terminal Female (#14-12AWG), 2.0 - 3.0mm²
12077413	Tanged Terminal Female (#10AWG), 5.0mm²
15324983	Cable Seal, 1.70 - 1.29mm Cable Diameter Dark Red
15324982	Cable Seal, 2.85 - 2.03mm Cable Diameter Green
15324980	Cable Seal, 3.49 - 2.81mm Cable Diameter Grey
15324981	Cable Seal, 4.30 - 3.45mm Cable Diameter Blue
12010300	Cavity Plug, 6.7mm Cavity inside Diameter Green



TPA: PDM-ST1
Secures 12 Positions



TETHER: PDM-SCT
Links Cover with Base

ACCESSORIES: Delphi Metri-Pack 280

TERMINALS: TANGED
Female Sealed,
Tin Brass / Tin Plated



CABLE SEALS:
CAVITY PLUG:
Silicone



Scan this QR Code for more information

QR Code: 9034

RELATED PRODUCTS:



Mini Fuses, LED Fuses, Circuit Breakers, Transorbs, Diodes, Shunts & Diode Key



ISO 280 Relays Ultra Micro, Micro & Mini. 12VDC & 24VDC.



Tanged Terminal Seal & Plug Kits.
TERMKIT003
(See page 187)



Tanged Cables, Jumpers, Splice Connectors,
(See p.186 & 188)



Crimping Tools & Terminal Removal Tool.
(See page 185 - 186)

PROLEC

Email: info@prolecproducts.com.au
Web: www.prolecproducts.com.au

POWER DIST. SEALED MODULE - 96 POSITION

GEP POWER PRODUCTS

NEW

IP66

58V

Increased power distribution requirements in today's vehicles creates the need for additional component capacity to support electrical system integrity. To meet these increasing power challenges, GEP has released a 96 terminal position module. This new sealed, compact, and rugged module offers more configuration options for transportation and off-road applications.

Voltage Rating: 58VDC **Output Rating:** 30A max per terminal.
Terminal Capacity: 96 terminals on a layout matrix of (8 x 12).
Suited to 2.8mm blades on 8.1mm centerline spacing.
Components: Accepts Mini fuses, Mini bladed circuit breakers, ISO 280 Micro relays and ISO 280 Flashers.
Mounting: Top mount only. 10.5mm moulded holes.
4 x M6 threaded mounting clips included. They are removable.
Mounting clips are factory pre-inserted. Spare part # PDM-TMC.
Housing: Thermoplastic, black PBT Polyester. **Cover Seal:** Silicone.
Ingress Protection Rating: IP66.
(Valid when properly installed with cover, cable seals and cavity plugs).
Wire Size: #22 - #10 AWG / 0.35mm² - 5mm²
Cavity Plugs: Required to fill unused output cavities for ingress protection.
Cable Seals: Please check the overall diameter of your cable before ordering cable seals.
Terminal Tools: Terminal crimping & removal tools available.
Temperature Rating: -40°C to +125°C (Module only)
Not Included: Terminals, cable seals, cavity plugs or mounting screws. Module does not include any plug-in components such as fuses, circuit breakers, relays etc.
Features: Terminal numbering on rear of base.
Options: Custom labels and kits. **Approvals:** RoHS REACH



96 Way Housing



PDM With Plain Cover



Rear View

Part Number	Description
PDM-U3AC1	PDM Housing 96 Pos, Seal, Cover & 4x M6 Mtg. Clips
PDM-U4AC1	PDM Housing 96 Pos, Seal, Cover & 4 x M10 Mtg. Holes
PDM-SCT	PDM Tether Black Flexible (110mm - 160mm)
PDM-UT1	TPA Terminal Position Assurance. 6pcs Required
PDM-TK	Diode Key Red Nylon. Drops into PDM Base Slots
12084201	Tanged Terminal Female (#22-20AWG), 0.35 - 0.5mm²
12077411	Tanged Terminal Female (#18-16AWG), 0.80 - 1.0mm²
12129493	Tanged Terminal Female (#14-12AWG), 2.0 - 3.0mm²
12077413	Tanged Terminal Female (#10AWG), 5.0mm²
15324983	Cable Seal, 1.70 - 1.29mm Cable Diameter Dark Red
15324982	Cable Seal, 2.85 - 2.03mm Cable Diameter Green
15324980	Cable Seal, 3.49 - 2.81mm Cable Diameter Grey
15324981	Cable Seal, 4.30 - 3.45mm Cable Diameter Blue
12010300	Cavity Plug, 6.7mm Cavity inside Diameter Green

TPA:PDM-UT1
Secures 16 Positions



TETHER: PDM-SCT
Links Cover with Base



ACCESSORIES: Delphi Metri-Pack 280

TERMINALS: TANGED
Female Sealed,
Tin Brass / Tin Plated



CABLE SEALS:
CAVITY PLUG:
Silicone



Scan this QR Code for more information

QR Code: 9035

RELATED PRODUCTS:



Mini Fuses, LED Fuses, Circuit Breakers, Transorbs, Diodes, Shunts & Diode Key



ISO 280 Relays Ultra Micro, Micro & Mini. 12VDC & 24VDC.



Terminal, Seal & Plug Kits.
TERMKIT003
(See page 187)



Tanged Cables, Jumpers, Splice Connectors,
(See p.186 & 188)



Crimping Tools & Terminal Removal Tool.
(See page 185 - 186)

POWER DIST. MODULE SEALED - 60 POSITION

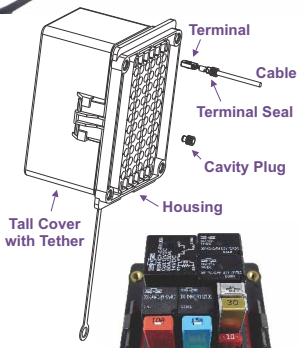
EATON Bussmann

IP66

This unit features 60 open positions with no internal bussing. It is designed for use with 280 style components (i.e. Mini fuses, Mini Breakers, ISO280 Relays, diodes, resistors, etc.) and provides efficient power distribution in a rugged compact form.
Applications: Marine, construction, agriculture, trucks & specialty vehicle industries.



Output Rating: 30A max per terminal.
Terminal Capacity: 60 terminals on a layout matrix of (6 x 10) suited to 2.8mm blades on 8.1mm centerline spacing.
Mounting: Includes threaded inserts #10-32 as standard (M5 optional).
Base: Features letter/number grid front & rear for easy reference of each terminal position. Black thermoplastic with red rubber gasket.
Covers: Black thermoplastic. Improved latch design & tether strap.
Replacement Cover Options: Replacement covers also available.
Shallow cover includes Gore vent (Mini fuses only) # B151-7168-1-J.
Deep cover (Mini fuses / ISO 280 relays / Mini breakers) # B151-7168-2-J.
Temperature Rating: -40°C to +125°C (PDM only).
Wire Size: #20 - #12 AWG / 0.5mm² - 2.5mm²
Terminals: Tyco AMP MCP 2.8, Barbed Female, Copper Tin Plated.
Ingress Protection Rating: IP66 -IEC 529 (valid only when cover, cable seals and cavity plugs are properly fitted).
Cavity Plugs: Required to fill unused output cavities for ingress protection.
Cable Seals: Check the overall diameter of your cable before ordering seals.
Terminal Tools: Terminal crimping tools (p.185).
Not Included: Terminals, cable seals, cavity plugs, mounting brackets or mounting screws. Module does not include any plug-in components.



60 WAY MODULE & COVER (No Bussing):

Part Number	Block Description	Cover Inc.	Nbr Cavities
15310-1-1	30 x Mini Fuses Only	Shallow - Fuse	60
15310-1-2	Mix of 280 Components	Deep - Relay	60



ACCESSORIES:

Part Number	Description
TERMKIT004	170pc Terminal, Cable Seal & Cavity Plug Assortment Kit.
1-968875-1	Terminal Female MCP 2.8, #20 - #16AWG 0.5 - 1.0mm²
1-968876-1	Terminal Female MCP 2.8, #16 - #14AWG 1.0 - 2.5mm²
828904-1	Cable Seal Silicone 1.2 - 2.1mm Diameter Blue
828905-1	Cable Seal Silicone 2.2 - 3.0mm Diameter White
828922-1	Cavity Plug Silicone Clear
PROBRK008K	Mounting Brackets Stainless Steel Natural (A)
PROBRK001	Mounting Bracket Powder Coated Black (B)

ACCESSORIES: AMP MCP 2.8



Terminals:
Female With Locking Barbs
Copper Nickel / Tin plated



Cable Seals:
Silicone



Cavity Plug:
Silicone

BRACKET OPTIONS:



(A) PROBRK008K
2pc Bracket Kit Includes Hardware.



(B) PROBRK001 NEW
1pc Bracket Kit Includes Hardware.



NEW

MCP 2.8 Terminal & Seal Assortment Kit TERMKIT004 (see p.187)

RELATED PRODUCTS:



Mini Fuses, Mini Resistors, Mini Diodes, Mini Shunts & Mini Blade Circuit Breakers.



Ultra Micro 280 Relays, Micro 280 Relays, Mini 280 Relays, 280 Flashers

Scan this QR Code for more information

QR Code: 9001

PROLEC
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MINI FUSE SEALED MODULE - DUAL BUS - 20 WAY

EATON Bussmann

NEW IP66

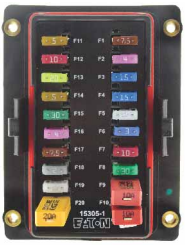
This weatherproof 20 x Mini fuse module designed to provide fuse protected power for up to 20 circuits. The unit is powered by 2 separate power input studs, each stud powers 10 Mini fuse positions. The module can be ordered with a shallow cover to suit Mini Fuses, or with a deep cover if you want to fit Mini Blade Circuit Breakers which are taller.

Suits applications in marine, construction, agriculture, heavy trucking, specialty vehicles and 4x4 wheel drives.

This new 15305 series RTMR has new refinements but remains backward compatible and interchangeable with the original 15303 series RTMR.



20 x Mini Fuses (Shallow Cover Req'd)



20 x Mini Fuses or Mini Circuit Breakers (Deep Cover Req'd)

MODULE KITS

Part Number	Kit Description
PDMKIT-163T	20 x Mini fuse module kit with shallow cover
PDMKIT-164T	20 x Mini fuse / circuit breaker kit & deep cover



Both module kits contain the following components;
1 x Module with either shallow or deep cover black
2 x Stud input caps silicone red colour
1 x Medium profile bracket black powder coated
4 x Bolts & washers for mounting module to bracket
5 x Tangless Terminals 0.8 - 1.0mm² (#18-16 AWG)
20 x Tangless Terminals 1.0 - 2.0mm² (#16-14 AWG)
5 x Tangless Terminals 2.0 - 3.0mm² (#14-12 AWG)
5 x Cable seals 2.03 - 2.85mm diameter cable
20 x Cable seals 2.81 - 3.49mm diameter cable
5 x Cable seals 3.45 - 4.30mm diameter cable
10 x Cavity plugs silicone green colour
1 x Instruction book (download via QR code)
1 x Fuse circuit identification label
Note: Fuses and circuit breakers are not included.
Please refer for page 133 for module dimensions.

Scan this QR Code for more information on module kits.

QR Code: 11005

MODULE & COVER ONLY

Part Number	Block Layout	Bussing	Included Cover	Nbr of Cavities	Max Nbr of Terminals
15305-1-6-3	20 x Mini Fuse Module	Dual Fuse Buss	Shallow	20	20
15305-1-6-4	20 x Mini Fuse /Circuit Breaker Module	Dual Fuse Buss	Deep	20	20

Notes: Module includes cover and input stud caps only. Fuses, circuit breakers, terminals, seals, cavity plugs and bracket are not included. Please refer for page 133 for dimensions and accessory parts.

20 Mini Fuse or Breaker Positions



Front View Dual Fuse Rows

2 Inputs 20 Outputs

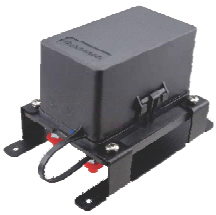


Rear View Dual Busbar Studs

Gore Vent Feature on Shallow Cover Only



Assembled with Shallow Cover (Suits Fuses Only)



Assembled with Deep Cover (Suits Fuses & Breakers)

Scan this QR Code for more information on modules only.

QR Code: 9040

MINI FUSE, MINI / MICRO RELAY SEALED MODULE

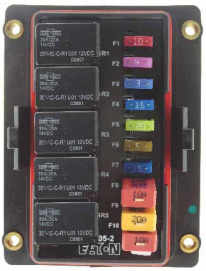
EATON Bussmann

NEW IP66

This weatherproof 5 x Micro Relays & 10 x Mini Fuse / Circuit Breaker module is designed to provide fuse protected power and relay switching. Relays and fuses can be wired together or independently of each other. All fuses are powered by a single power input stud. A secondary input stud connects all relay coil pins (86) to either Negative or Positive power via an internal buss.

Suits applications in marine, construction, agriculture, heavy trucking, specialty vehicles and 4x4 wheel drives.

This new 15305 series RTMR has new refinements but remains backward compatible and interchangeable with the original 15303 series RTMR.



5 x Micro 280 Relays
10 x Fuses / Breakers

MODULE KIT

Part Number	Kit Description	Internal Bussing
PDMKIT-264T	5 x Relays & 10 fuses / breakers	Fuse & relay buss*

Module kit contains the following components:
Both kits include the following:
1 x Module with deep cover black
2 x Stud input caps silicone red
1 x Medium profile bracket black powder coated
4 x Bolts & washers for mounting module to bracket
10 x Tangless Terminals 0.8 - 1.0mm² (#18-16 AWG)
35 x Tangless Terminals 1.0 - 2.0mm² (#16-14 AWG)
10 x Tangless Terminals 2.0 - 3.0mm² (#14-12 AWG)
10 x Cable seals 2.03 - 2.85mm diameter cable
35 x Cable seals 2.81 - 3.49mm diameter cable
10 x Cable seals 3.45 - 4.30mm diameter cable
20 x Cavity plugs silicone green colour
1 x Instruction book (download via QR code)
1 x Fuse / relay circuit identification label
Note: Fuses, circuit breakers & relays are not included.
Please refer for page 133 for dimensions.



Scan this QR Code for more information on module kit.

QR Code: 11005

MODULE ONLY

Part Number	Block Layout	Bussing	Included Cover	Nbr of Cavities	Max Nbr of Terminals
15305-2-6-4	5 x Micro 280 Relays and 10 x Mini Fuses / Circuit Breakers	Fuse & Relay Buss* *Input stud bussed to pin 86 on relay.	Deep	35	30

Relays: Micro ISO 280 Relays with 4 or 5 terminals (SPST / SPDT)
Notes: Module includes cover and input stud caps only. Fuses, circuit breakers, relays, terminals, seals, cavity plugs and bracket are not included. Please refer for page 133 for dimensions and accessory parts.



Front View
Relay & Fuse Rows



Rear View
Dual Busbar Studs



Assembled with Deep Cover
(Suits Fuses, Breakers & Relays)

Scan this QR Code for more information on module only.

QR Code: 9040

PROLEC

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Web: www.prolecproducts.com.au

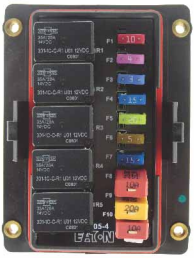
Bussmann

NEW IP66

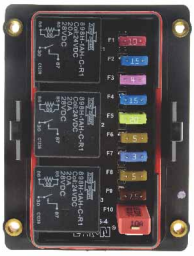
This weatherproof 3 Mini Relays or 5 x Micro Relays & 10 x Mini Fuse / Circuit Breaker module is designed to provide fuse protected power and relay switching. Relays and fuses can be wired together or independently of each other. 3 Different internal buss options: 1. All fuses are powered by a single power input stud. 2. All relay coil pins (86) bussed to either Negative or Positive power input stud. 3. No internal bussing.

Suits applications in marine, construction, agriculture, heavy trucking, specialty vehicles and 4x4 wheel drives.

This new 15305 series RTMR has new refinements but remains backward compatible and interchangeable with the original 15303 series RTMR.



5 x Micro 280 Relays
10 x Fuses / Breakers



3 x Mini 280 Relays
10 x Fuses / Breakers

MODULE KITS

Part Number	Kit Description	Internal Bussing
PDMKIT-404T	3-5 x Relays & 10 fuses /breakers	No Buss
PDMKIT-564T	3-5 x Relays & 10 fuses /breakers	Fuse Buss Only
PDMKIT-664T	3-5 x Relays & 10 fuses /breakers	Relay Buss Only*



Both module kits contain the following components;
1 x Module with deep cover black
1 x Stud input cap silicone red (bussed modules only)
1 x Medium profile bracket black powder coated
4 x Bolts & washers for mounting module to bracket
55 x Tangless Terminal assortment for different wire gauges
55 x Cable seal assortment for different cable diameters
20 x Cavity plugs silicone green colour
1 x Instruction book (download via QR code)
1 x Fuse / relay circuit identification label
Note: Fuses, circuit breakers & relays are not included.
Please refer for page 133 for dimensions.

Scan this QR Code for more information on module kits.

QR Code: 11005

MODULES ONLY

Part Number	Block Layout	Bussing	Included Cover	Nbr of Cavities	Max Nbr of Terminals
15305-4-0-4	3-5 x Relays & 10 Fuses / Breakers	No Buss	Deep	50	45
15305-5-6-4	3-5 x Relays & 10 Fuses / Breakers	Fuse Buss Only	Deep	40	35
15305-6-6-4	3-5 x Relays & 10 Fuses / Breakers	Relay Buss Only*	Deep	45	40

*Input stud bussed to pin 86 on relay.

Relays: Micro ISO 280 Relays or Mini ISO 280 Relays with 4 or 5 terminals (SPST / SPDT)
Notes: Module includes cover and input stud caps only. Fuses, circuit breakers, relays, terminals, seals, cavity plugs and bracket are not included. Please refer for page 133 for dimensions and accessory parts.



All Models
Front View



15305-4-0-4
(No Buss)
Rear View



15305-5-6-4
(Fuse Buss)
Rear View



15305-6-6-4
(Relay Buss)
Rear View



Assembled
(Deep Cover)

Scan this QR Code for more information on modules only.

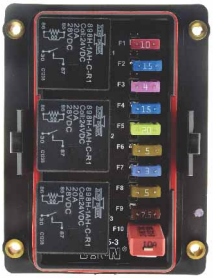
QR Code: 9040

NEW IP66

This weatherproof 3 x Mini Relays & 10 x Mini Fuse / Circuit Breaker module is designed to provide fuse protected power and relay switching. Relays and fuses can be wired together or independently of each other. All fuses are powered by a single power input stud. A secondary input stud connects all relay coil pins (86) to either Negative or Positive power via an internal buss.

Suits applications in marine, construction, agriculture, heavy trucking, specialty vehicles and 4x4 wheel drives.

This new 15305 series RTMR has new refinements but remains backward compatible and interchangeable with the original 15303 series RTMR.



3 x Mini 280 Relays
10 x Fuses / Breakers

MODULE KIT

Part Number	Kit Description	Internal Bussing
PDMKIT-364T	3 x Relays & 10 Fuses / Breakers	Fuse & Relay Buss*

Module kit contains the following components;
1 x Module with deep cover black
2 x Stud input caps silicone red colour
1 x Medium profile bracket black powder coated
4 x Bolts & washers for mounting module to bracket
10 x Tangless Terminals 0.8 - 1.0mm² (#18-16 AWG)
35 x Tangless Terminals 1.0 - 2.0mm² (#16-14 AWG)
10 x Tangless Terminals 2.0 - 3.0mm² (#14-12 AWG)
10 x Cable seals 2.03 - 2.85mm diameter cable
35 x Cable seals 2.81 - 3.49mm diameter cable
10 x Cable seals 3.45 - 4.30mm diameter cable
20 x Cavity plugs silicone green colour
1 x Instruction book (download via QR code)
1 x Fuse / relay circuit identification label
Note: Fuses, circuit breakers & relays are not included.
Please refer for page 133 for dimensions.



Scan this QR Code for more information on module kit.

QR Code: 11005

MODULE ONLY

Part Number	Block Layout	Bussing	Included Cover	Nbr of Cavities	Max Nbr of Terminals
15305-3-6-4	3 x Mini 280 Relays and 10 x Mini Fuses / Circuit Breakers	Fuse & Relay Buss*	Deep	35	22

*Input stud bussed to pin 86 on relay.

Relays: Mini ISO 280 Relays with 4 or 5 terminals (SPST / SPDT)
Notes: Module includes cover and input stud caps only. Fuses, circuit breakers, relays, terminals, seals, cavity plugs and bracket are not included. Please refer for page 133 for dimensions and accessory parts.



Front View
Relay & Fuse Rows



Rear View
Dual Busbar Studs



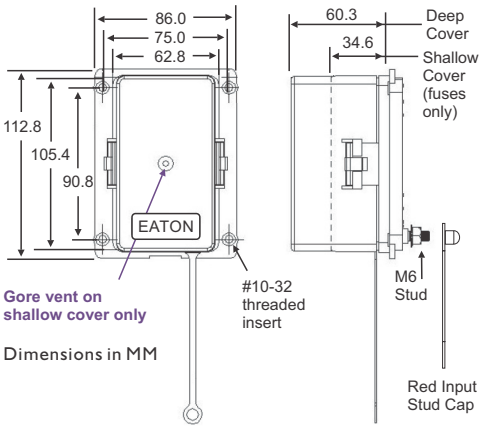
Assembled with Deep Cover
(Suits Fuses, Breakers & Relays)

Scan this QR Code for more information on module only.

QR Code: 9040

PROLEC
Email: info@prolecproducts.com.au
Web: www.prolecproducts.com.au

Components: Accepts Mini fuses, Mini bladed circuit breakers, Mini 280 relays & Micro 280 relays and 280 Flashers.
Input Stud Rating: 80A max.
Output Terminal Rating: 30A max per terminal.
Block: Black thermoplastic with silicone seal.
Cover: Black thermoplastic with tether.
Internal Buss: Tin-plated copper (bussed versions).
Input Studs: M6 stud nickel plated brass (bussed versions only).
Wire Size: #22 - #12 AWG / 0.35mm² - 3mm².
Ingress Protection Rating: IP66-IEC 60529. Valid when properly installed with cover, cable seals and cavity plugs (to fill all unused output cavities).
Mounting: Threaded inserts #10-32 as standard
Mounting S/S Hardware (optional): Screw: # MT1032PPHS. Washer: # SW316S.
Temperature Rating: -40°C to +125°C (PDM only)
Notes: Module includes cover. Stud caps included for bussed versions. Kits include terminals, seals and a bracket. All other parts to be ordered separately.



APTIV DELPHI METRI-PACK 280 TERMINALS: TANGLESS

Female Sealed, Tin Brass / Tin plated



Part Number	Wire (AWG)	Wire (mm²)
12110846	#22 - #20	0.35 - 0.50
12110847	#18 - #16	0.80 - 1.0
12129409	#16 - #14	1.0 - 2.0
12110845	#14 - #12	2.0 - 3.0
12110853	#12 - #10	3.0 - 5.0

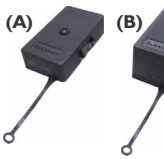
CABLE SEALS: Silicone
CAVITY PLUG: Silicone

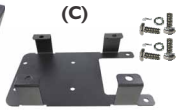


Part Number	Cable Dia.(mm)	Colour
15324983	1.29 - 1.70	Dark Red
15324982	2.03 - 2.85	Green
15324980	2.81 - 3.49	Grey
15324981	3.45 - 4.30	Blue
12010300	N/A Plug	Green

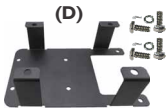
OTHER ACCESSORIES

Part Number	Picture	Description	
B151-7168-1-J	(A)	Shallow Cover With Gore Vent (Mini fuses only) - Spare Part	34.6mm
B151-7168-2-J	(B)	Deep Cover (Mini fuses, breakers, devices, 280 relays) - Spare Part	60.3mm
PROBRK002	(C)	Low Profile Bracket, Zinc Anneal Black Powder Coated	31.0mm
PROBRK001	(D)	Medium Profile Bracket, Zinc Anneal Black Powder Coated	45.0mm
PROBRK008K	(E)	Tall Profile Brackets, Stainless Steel Natural 1.5mm x 2pcs	56.0mm
CAB2.0X85TS1J	(F)	Red Terminated Jumper Cable Tangless Terminals	1.84mm² x 90mm
B066-7008	(G)	Red Input Stud Cap Silicon - Spare Part	

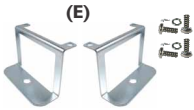




Height 31mm



Height 45mm



Height 56mm



Terminated & Sealed Jumper (see p.186)



Input Stud Cap

RELATED PRODUCTS:


Terminal Crimper & Removal Tools.
(see p.185 - 186)


Mini & LED Mini Fuses, Mini Blade Breakers, Resistors & Transorbs.


Micro 280 Relays, Mini 280 Relays, 12VDC or 24VDC.


Tangless Terminal Seal & Plug Kits.
TERMKIT001
(See page 187)

Scan this QR Code for more information

QR Code: 9040

MINI FUSE & MICRO RELAY SEALED MODULE

EATON Bussmann

IP66

Designed to provide efficient power distribution in a rugged compact form with applications in marine, construction, agriculture, heavy trucking, and specialty vehicle industries. It accommodates a combination of up to 40 x Mini fuse or Mini bladed breakers and 10 x ISO 280 Micro relays. Also features a slot to hold a fuse puller and 4 slots for spare fuses. Optional common bussing for fuses.

Voltage Rating: 32VDC
Ampere Rating: 200A max.
Components: Accepts Mini fuses, Mini bladed circuit breakers and ISO 280 Micro relays.
All components must have 2.8mm blades on 8.1mm centerline spacing.
Mounting: Threaded inserts #10-32 as standard (M5 optional).
Intended for horizontal to vertical mounting orientations.
Block & Cover: Black UL-Rated 94V0 thermoplastic. Silicone rubber gasket. Deep cover with internal tether. Cover included with base.
Cover: Replacement deep cover available. # B151-7182-1.
Suits Minifuses, ISO 280 Micro relays and Mini bladed circuit breakers.
Internal Buss: Plated copper (optional, feeds fuses only).
Input Studs: M8 x 1.25 stud (on bussed versions).
Input Stud Rating: 100A max per bus bar.
Output Terminal Rating: 30A max per terminal.
Ingress Protection Rating: IP66 (Valid when properly installed with cover, cable seals and cavity plugs).
Wire Size: #22 - #12 AWG / 0.35mm² - 3mm²
Temperature Rating: -40°C to +85°C (Module only).

40 x Mini Fuses or Mini Breakers and 10 x ISO 280 Micro Relays.



Terminals: Delphi Metri-Pack 280 Female Sealed (Tanged)
Cavity Plugs: Required to fill unused output cavities for ingress protection.
Cable Seals: Please check the overall diameter of your cable before ordering cable seals.
Terminal Tools: Terminal crimping & removal tools see pages 185-186.
Ordering: Block is supplied with cover & one nut for each input stud.
Not Included: Terminals, cable seals, cavity plugs, mounting brackets or mounting screws.
Module does not include any plug-in components such as fuses, circuit breakers, relays or the fuse puller.
Pack Size: 1pc, 20pcs, 100pcs. **Approvals:** RoHS

POWER DIST.

MODULES & COVER OPTIONS :

Part Number	Mini Fuse Positions*	Fuse Bussing	Left Fuse Side	Right Fuse Side	Relay Contents	Nbr of Cavities	Max Nbr of Terminals
15401-1-2-1-0A	40x Mini Fuses	Dual	Bussed	Bussed	10x ISO 280 Micro	130	90
15402-1-2-1-0A	40x Mini Fuses	Single	Bussed	Unbussed	10x ISO 280 Micro	130	110
15404-1-0-1-0A	40x Mini Fuses	No Bus	Unbussed	Unbussed	10x ISO 280 Micro	130	130

Notes: * Mini circuit breakers can be fitted in mini fuse positions. Relays are un-bussed.

ACCESSORIES:

Part Number	Description
12084201	Tanged Terminal Female (#22-20AWG), 0.35 - 0.5mm²
12077411	Tanged Terminal Female (#18-16AWG), 0.80 - 1.0mm²
12129493	Tanged Terminal Female (#14-12AWG), 2.0 - 3.0mm²
12077413	Tanged Terminal Female (#10AWG), 5.0mm²
15324983	Cable Seal, 1.70 - 1.29mm Cable Diameter, Dark Red
15324982	Cable Seal, 2.85 - 2.03mm Cable Diameter, Green
15324980	Cable Seal, 3.49 - 2.81mm Cable Diameter, Grey
15324981	Cable Seal, 4.30 - 3.45mm Cable Diameter, Blue
12010300	Cavity Plug Silicone Green, 6.7mm Cavity inside Dia.
PROBRK003	Bracket Stainless Steel, Black Powder Coated, 90° Angle
TERMKIT003	Tanged Terminal, Seal & Plug Assortment Kit (310pcs)
CAB2.0X85TS1TJ	Red Jumper Cable 1.84mm² x 90mm. Tanged (1pc)
B151-7182-1	Replacement Cover. Black Thermoplastic.
32013BS	Mini Fuse & Mini Circuit Breaker Puller.



Mounting Bracket
PROBRK003



Tanged Female Sealed Terminals



Cable Seals & Cavity Plug



Terminal Tools (see p.185 - 186)



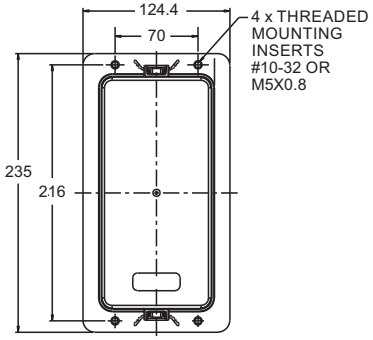
Fuse & Breaker Puller (see p.44)

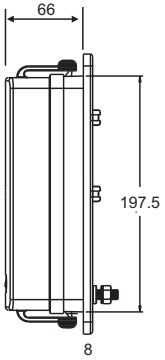


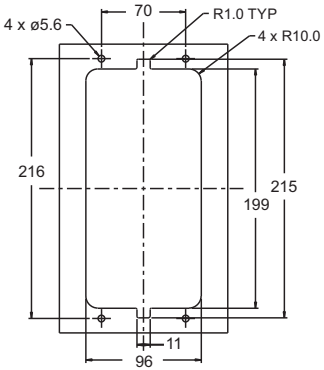
Tanged Terminal Kit
TERMKIT003
(see p.187)

PROLEC

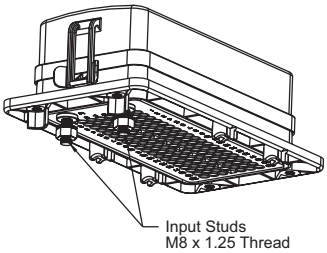
Email: info@prolecproducts.com.au
Web: www.prolecproducts.com.au

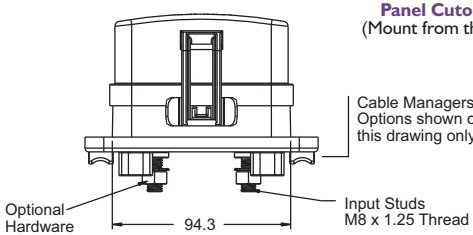






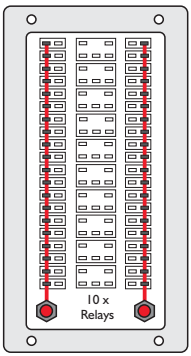
Panel Cutout Diagram
(Mount from the rear of the panel)





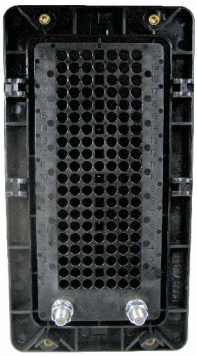
Dimensions in MM

Input Stud Power Diagram



= Input Stud (Optional)
Powers Fuses / Breakers

Rear View - Inputs / Outputs



Dual Bus Version Pictured Above

Front View - Component Loading



Unloaded RFMR Pictured Above

RELATED PRODUCTS:



Mini Fuses, Mini Resistors, Mini Transorbs & Mini Blade Circuit Breakers.



ISO 280 Micro Relays 4 or 5 Pin. 12V or 24V
(see p.164)



Tanged Pre-Terminated Cables, Jumpers & Butt Splice Connectors.
(see p.186)

These power distribution modules suit high current applications for placement in extreme moisture and high vibration environments. Multiple units may be connected together using a buss bar. They can also be bussed to Bussmann's other PDMs (RTMR see p.129-133, ssVEC / ssDVEC see p.142).

IGNITION PROTECTED

IP66

Power Fuse Module (PFM)
- Housing for 2 fuse positions.
- Each fuse is a separate circuit.
- Removable fuse cover included.

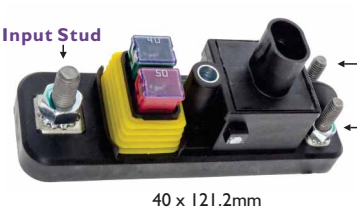


Power Fused Relay Module (PRM)
- Includes a molded-in High Power Mini relay.
- Housing for 2 fuse positions. One fuse protects the relay and the other is a single-circuit inline fuse.
- Removable fuse cover included.





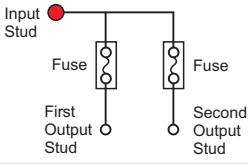
40 x 95.62mm



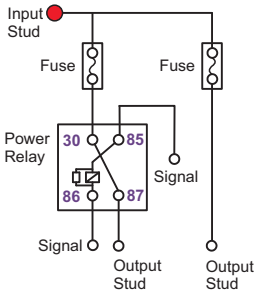
40 x 121.2mm

Rating (PFM): Each inline fuse; up to 60A.
Relay Rating (PRM): 70A (12VDC) or 25A (24VDC) steady-state relay.
Relay Protection Fuse: Up to 60A. Non-switched inline fuse; up to 60A.
Temperature Rating: -40 °C to +85 °C.
Body: UL-Rated 94V-0 thermoplastic with silicone seal.
Input Termination: M8 threaded plated steel stud. Includes keps nuts.
Output Termination: 2 x M6 threaded plated steel studs. Inc. keps nuts.
Relay Signal Connector Kit: Only for use with PRM's. (1.0 to 1.5mm²) Crimping tool available # CT-P79 contact sales for further information.
Ingress Protection Rating: IP66 (excluding stud connections).
Mounting Option: Counter Rotation Feature (CRF) included to prevent the module rotating on single bolt installations. 6.5x35.4 Mount Hole
Bussing: Use 3771BUS busbars to join multiple PRMs/PFMs. Stud insulator caps included with busbars. Use 3772BUS busbar to connect PRMs / PFMs to other Bussmann RTMR PDM's.
Accessories: Relay signal connector, bus bars, separators and fuses.
Suitable Fuses: JTFxxx (20A - 60A), not included.
Notes: Each Power Relay Module requires 1 x PRM Relay Signal Connector Kit (50126K) to control the relay. Fusible links are not included.
Compliances: SAE J1171 (Ignition protected).

Power Fuse Module (PFM) Circuit Diagram



Power Fused Relay Module (PRM) Circuit Diagram



Part Number	Description	
37701-1NN0011	32V Dual Fuse Only Module Without CRF	(PFM)
37701-1NN0025	32V Dual Fuse Only Module With CRF	(PFM)
37702-1AN0025	12V Fuse & Fused Relay Module With CRF	(PRM)
37703-1AN0025	24V Fuse & Fused Relay Module With CRF	(PRM)
50126K	PRM Relay Signal Connector Kit	
3771BUS-2	2 Position Bus Bar With Red Stud Covers	
3771BUS-3	3 Position Bus Bar With Red Stud Covers	
3771BUS-4	4 Position Bus Bar With Red Stud Covers	
3772BUS	Bus Bar Link joins RTMR To PRF or PRM	NEW

RELATED PRODUCTS:



Fusible Links JTF (20A-60A)
(See page 21)



PRM Relay Signal Connector Kit Inc.
Terminals 0.75-1.5mm²
Cable seals 1.7-2.4mm



Bus Bar With Stud Covers.
Connect multiple modules together with these bus bars



NEW

Bus Bar Link.
RTMR input stud to PRF/PRM output.

Scan this QR Code for more information

QR Code: 9002

PROLEC
Email: info@prolecproducts.com.au
Web: www.prolecproducts.com.au

AUTO FUSE MODULAR BLOCK KIT - 16 WAY

Part Number
00655K

Fuse Block Kit Contents;
1 x 00670 (Clear Cover with Gasket)
1 x 00650 (16 Way Housing with 5 Secondary Locks)
1 x 00680 (Bottom Cover)
35 x 07900 (Terminals 0.5 to 1.5mm², F 6.3mm)
2 x 00690 (Mounting Bracket Male)
2 x 00691 (Mounting Bracket Female)
Fuse block can accommodate one fuse puller 00358.



RELATED PRODUCTS:

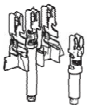


Auto & LED Auto Fuse
(see p.17)



Fuse Puller
(see p.44)





Busbar Terminals F 6.3
07912RL (2 - 3mm²)
07911RL (4 - 6mm²)

MICRO RELAY MODULAR BLOCK KIT - 7 WAY (4 OR 5 PIN)

Part Number
00705K

Micro Relay Kit Contents;
1 x 00670 (Clear Cover With Gasket)
1 x 00700 (Micro Relay Housing with 7 Secondary Locks)
1 x 00680 (Bottom Cover)
25 x 01940 (Terminals 0.5 - 1.5mm² F 4.8mm)
15 x 01655 (Terminals 1 - 2.5mm², F 6.3mm)
2 x 00690 (Mounting Bracket Male)
2 x 00691 (Mounting Bracket Female)



RELATED PRODUCTS:

ISO Micro Relays. 12VDC or 24VDC.
(See page 166)



Optional Terminals F 6.3
01651RL (2.5 - 6mm²)

MINI RELAY MODULAR BLOCK KIT - 4 WAY (4 OR 5 PIN)

Part Number
00665K

Mini Relay Kit Contents;
1 x 00670 (Clear Cover With Gasket)
1 x 00660 (Mini Relay Housing with 4 Secondary Locks)
1 x 00680 (Bottom Cover)
20 x 01650 (Terminals 1 - 2.5mm², F 6.3mm)
2 x 00690 (Mounting Bracket Male)
2 x 00691 (Mounting Bracket Female)



RELATED PRODUCTS:

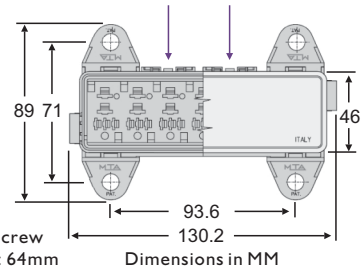
ISO Mini Relays. 12VDC or 24VDC.
(See page 166)



Optional Terminals F 6.3
01651RL (2.5 - 6mm²)

Features:
- All 3 blocks can be ganged to create a power distribution centre.
- Side wall locks can attach MTA Auto fuse holders. (p78)
- Side wall locks can attach MTA Mini & Maxi relay holders. (p171)

Side wall lateral lock feature.
Add MTA fuse or relay holders.



Mounting: M8 screw
Overall Height: 64mm
Dimensions in MM

Voltage: 32V
Maximum Continuous Current Ratings:
225A (00655K), 150A (00705K), 120A (00665K)
Body: Black, **Cover:** Transparent, includes gasket.
Terminals: Axial connections. Other terminal options include various terminal sizes, reeled and busbar types. Contact sales for further information.
Notes: Fuses, fuse extractor and relays are not included.
Pack Size: 1
Approval: RoHS

MODULAR FUSE AND RELAY MODULES

To simplify ordering, we now offer Module Kits which include suitable terminals for the components.
If you wish to order a module without terminals, simply remove the 'K' suffix from the part number.
Once you have selected the module(s), select a mounting bracket or frame and a cover to suit your installation.
Note: Plug-in components such as fuses, relays, pullers etc. are not included with the modules or module kits.

FUSE MODULE KITS - INCLUDES MODULE & TERMINALS

Part Number	Module Capacity	Terminals Included in the Kit
01460K1	20 x Mini Fuses.	40 x 08332 (Mini Fuse).
01470K	6 x Maxi Fuses. (Includes Busbar).	6 x 07660 (Maxi Fuse). Busbar Included. Rated to 120A.
01600K1	6 x Auto Fuses & 3 x Maxi Fuses.	12 x 07930 (Auto Fuse), 6 x 07660 (Maxi Fuse).
01690K NEW	4 x Mini Fuses & 6 x Jcase Fuses**.	5 x 08331, 5 x 08332 (Mini Fuse), 10 x 07992, 4 x 07993 (Jcase)
01698K NEW	20 x Mini Fuse / Diodes	10 x 08331, 40 x 08332 (All products with 2.8mm blades)

Notes: 01690 module will accept both standard Jcase (JTF) & low profile Jcase (LJC) fuses.

RELAY MODULE KITS - INCLUDES MODULE & TERMINALS

Part Number	Module Capacity	Terminals Included in the Kit
01484K	6 x ISO Micro Relays.	18 x 08401 (4.8mm), 12 x 08503 (6.3mm).
01494K	1 x ISO Mini & 1 x ISO Maxi Relay.	7 x 08503 (6.3mm), 2 x 07741 (9.5mm).
01660K1	2 x ISO Maxi Relays.	4 x 08502 (6.3mm), 4 x 07741 (9.5mm).
01698K NEW	10 x ISO280 Ultra Micro relays or 6 x ISO280 Micro Relays or a mixture of both.	10 x 08331, 40 x 08332 (All products with 2.8mm blades)

Relay Compatibility: Micro & Mini relays with 4 or 5 terminals.
Ultra Micro and Maxi relays with 4 terminals.

FUSE & RELAY MODULE KITS - INCLUDES MODULE & TERMINALS

Part Number	Module Capacity	Terminals Included in the Kit
01510K1	10 x Mini Fuses & 1 x ISO Maxi Relay.	20 x 08332 (Mini Fuse), 2 x 02050 (6.3mm), 2 x 07741 (9.5mm).
01564K	8 x Mini Fuses & 4 x ISO Micro Relays.	16 x 08332 (Mini Fuse), 12 x 08401 (4.8mm), 8 x 08503 (6.3mm)
01504K	4 x Mini Fuses & 2 x ISO Mini Relays.	8 x 08332 (Mini Fuse), 10 x 08503 (6.3mm).
01698K NEW	Mix of Mini Fuse / Diodes / Breakers, ISO280 Relays (Ultra Micro or Micro).	10 x 08331, 40 x 08332 (All products with 2.8mm blades)
01695K NEW	3 x MaxiCompact Fuses and 2 x Micro Relays, 1 x Maxi Relay	12 x 08502, 2 x 08503, 6 x 08401, 2 x 07740, 2 x 07741

Relay Compatibility: Micro & Mini relays with 4 or 5 terminals.
Ultra Micro and Maxi relays with 4 terminals.

KITTED TERMINAL SPECIFICATIONS

Part Number	Suits Components	Terminal Size	Wire Size	Terminal Description	Terminal Format
08331BK	Mini Fuses, Breakers, 280 Relays	2.8mm	1 to 2mm²	Box F2.8mm - Standard	BK: Bulk
08332BK	Mini Fuses, Breakers, 280 Relays	2.8mm	2.5 to 4mm²	Box F2.8mm - Standard	BK: Bulk
07930BK	Auto Fuses	5.2mm	2 to 3 mm²	Open F6.3mm - Spring clip	BK: Bulk
07660BK	Maxi Fuses	8mm	4 to 6mm²	Box F8mm - Spring clip	BK: Bulk
08401BK	ISO Micro Relays	4.8mm	1.5 to 2.5mm²	Box F4.8mm - Standard	BK: Bulk
08503BK	ISO Mini Relays	6.3mm	4 to 6mm²	Box F6.3mm - Standard	BK: Bulk
02050BK	ISO Micro, Mini, Maxi Relays	6.3mm	2.5 to 4mm²	Open F6.3mm - Spring clip	BK: Bulk
08502BK	ISO Maxi Relays	6.3mm	2 to 3mm²	Box F6.3mm - Standard	BK: Bulk
07741BK	ISO Maxi Relays	9.5mm	6 to 8mm²	Box F9.5mm - Spring clip	BK: Bulk
07992BK	Jcase Fuses	6.3mm	6 to 8mm²	Open M6.3mm - Standard	BK: Bulk
07993BK	Jcase Fuses	6.3mm	10mm²	Open M6.3mm - Standard	BK: Bulk

Notes: Not all terminals are compatible with all modules.
Terminals are available in other wire sizes and configurations to suit the MTA modules.
Please refer to our QR datasheet.

Scan this QR Code for more information

QR Code: 9000

MODULE FRAMES, COVERS & BRACKETS

All modules require brackets or a frame for mounting in your vehicle.
Please refer to page 140 for options.

Email: info@prolecproducts.com.au
Web: www.prolecproducts.com.au

20 x Mini Fuses

Part Number: 01460K1
Note: Includes room for 6x spare Mini fuses.
Secondary locks included.





Mini Fuse not included.

6 x Micro Relays

Part Number: 01484K
Note: Secondary lock included.

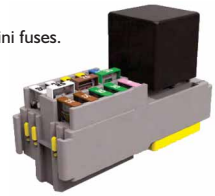




ISO Micro 5 Pin Relay not included.

20 x Mini Fuses & 1 x Maxi Relay

Part Number: 01510K
Note: Includes room for 3 spare Mini fuses.
Secondary locks included.







Mini Fuse & ISO Maxi 4 Pin Relay not inc.

1 x Mini Relay & 1 x Maxi Relay

Part Number: 01494K
Note: Secondary lock included.







ISO Mini 5 Pin & ISO Maxi 4 Pin Relay not inc.

8 x Mini Fuses & 4 x Micro Relays

Part Number: 01564K
Note: Secondary lock included.







Mini Fuse & ISO Micro 5 Pin Relay not inc.

4 x Mini Fuses & 2 x Mini Relays

Part Number: 01504K
Note: Secondary lock included.



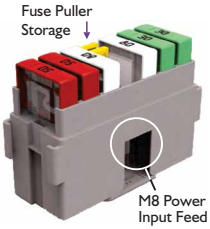




Mini Fuse & ISO Mini 5 Pin Relay not inc.

6 x Maxi Fuses (Bussed Input)

Part Number: 01470K
Note: Includes room for fuse puller 00358 (optional).
Secondary lock included.





Maxi Fuse not included.

2 x Maxi Relays

Part Number: 01660K
Note: Secondary lock included.





ISO Maxi 4 Pin Relays not included.

4x Mini Fuses & 6x Jcase Fuse Links* (Std or LowP)

Part Number: 01690K
Note: Secondary lock included.





Mini Fuse



Low Profile Jcase Fuse



Jcase Fuse

Fuses not included.

6 x Auto Fuses & 3 x Maxi Fuses

Part Number: 01600K1
Note: Secondary locks 4x 01601, 1x 01602 (optional).







Maxi Fuse and Auto Fuse not included.

3 x MaxiCompact Fuses, 2 x ISO Micro Relays 1 x ISO Maxi Relay

Part Number: 01695K
Note:Secondary lock included.





MaxiCompact Fuse



ISO Micro 5 Pin Relay



ISO Maxi 4 Pin Relay

Fuses and Relays not included.

Open Plan, 40 x 2.8mm Terminal Positions Layout Matrix: 4 x 10.

NEW

Part Number: 01698K
Note:Secondary lock included.



Suites these components;
6x ISO 280 Micro Relays or
10x ISO 280 Ultra Micro Relays
20x Mini Fuses, Breakers or Diodes



Fuses and Relays not included.

MOUNTING BRACKETS, MOUNTING FRAMES & COVERS

Part Number	Description	
01580	Single Module Mounting Bracket (2pcs required)	
01590	Single Module Cover, Finger Release	
00699	Dual Module Mounting Bracket Low (2pcs req'd)	NEW
01180	Dual Module Mounting Bracket High (2pcs req'd)	
01550	Dual Module Cover, Finger Release	
01520	Four Module Frame Low Profile Mount	
01530	Four Module Cover, Finger Release	NEW
01706	Five Module Frame High Profile Mount	NEW
01707	Five Module Cover, Finger Release	

Single Module Cover (01590)



Single Module Brackets Mounting Hole 7mm Low Profile (01580)



Four Module Cover (01530)

Four Module Frame Mounting Holes 4 x 7mm Low Profile (01520)



Dual Module Cover (01550)



Dual Module Brackets Mounting Hole 7mm Low Profile (00699)



Five Module Cover (01707)

Five Module Frame Mounting Holes 4 x 8.9mm High Profile (01706)



Dual Module Brackets Mounting Holes 2 x 7mm High Profile (01180)



ADAPTOR, RETAINERS & FUSE PULLER

Part Number	Description	Pack Size	
01620	Single Module Adaptor	250	NEW
01630	Relay Retainer	350	NEW
01376	Relay Retainer	TBC	NEW
01237	Mini Circuit Breaker Retainer	TBC	NEW
00358	Mini & Auto Fuse Puller Yellow	1	

Mini Breaker Retainer (01237)



Relay Retainer (01630)



Fuse Puller (00358)





Single Bracket



Dual Bracket

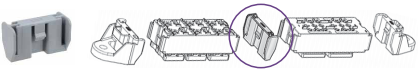


Four Frame



Five Frame

Single Module Adaptor (01620)
Cannot use with cover



TERMINAL SECONDARY LOCKS (Optional)

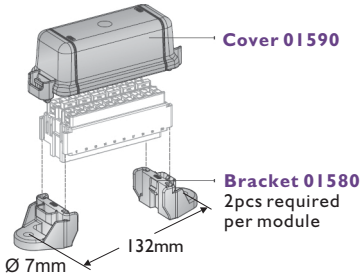
Part Number	Description
01601	Fits Module 01600 (Auto Fuse Terminals)
01602	Fits Module 01600 (Maxi Fuse Terminals)



Notes:
All terminals lock into the module body. A secondary lock ensures the terminal can't dislodge under force or vibration.

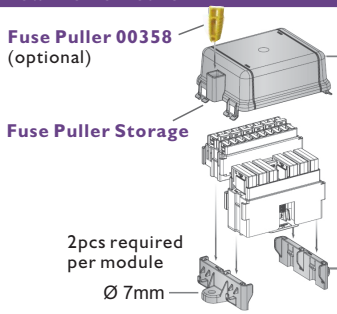
Email: info@prolecproducts.com.au
Web: www.prolecproducts.com.au

SINGLE MODULE BRACKET & COVER
Low Profile Mount

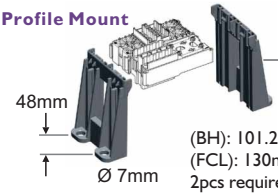


Overall Length (OL): 150mm
Fixing Centre Length (FCL): 132mm
Fixing Centre Width (FCW): N/A
Mounting Hole (MH): 7mm
Overall Width (OW): 39mm
Bracket Height (BH): 25mm
Overall Height With Cover (OH): Varies by module

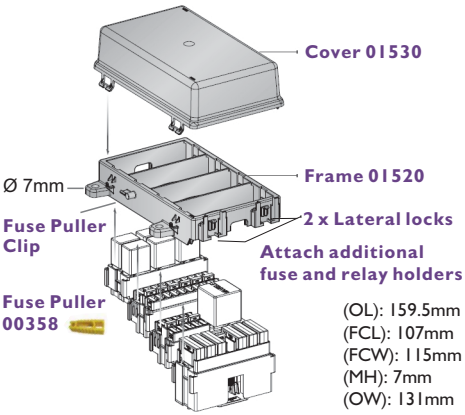
DUAL MODULE BRACKETS & COVER
Low Profile Mount



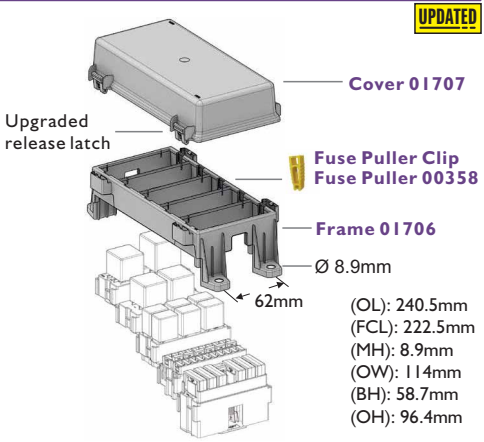
High Profile Mount NEW



FOUR MODULE FRAME & COVER
Low Profile Mount



FIVE MODULE FRAME & COVER
High Profile Mount UPDATED



TERMINALS

Female 2.8mm
08331, 08332



Female 4.8mm
08401



Female 6.3mm
02050



Female 6.3mm
08502, 08503



Female 6.3mm
07930



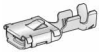
Male 6.3mm
07992, 07993



Female 8.0mm
07660



Female 9.5mm
07741



Scan this QR Code for more information

QR Code: 9000

EATON Bussmann

UPDATED IP66

These ssVEC and ssDVEC provide efficient, compact power distribution. The rugged design means they are capable of operating in severe environments with high vibration and moisture. Typically power is supplied via the input studs and output through connectors, but the Dual+ / Quad+ units feature mini fuses and relays that are standalone circuits (not connected to power input studs). Please refer to our QR datasheet for the internal circuit diagram of each unit & other specifications. The unit includes mini fuses, ISO 280 relays and a fuse puller. Connectors, terminals, cable seals and cavity plugs are not included, order separately. Each connector is keyed and will only fit the matching colour socket on the unit. Custom circuit design with pre-loaded specific components and labelled to suit OEM requirements also available.



ssVEC
31S Series

General Specifications (for both ssVEC and ssDVEC)

Connector Terminals: Delphi Metri-Pack 280 Female Sealed (Tanged), 30A max each. See page 134 for details.
Connectors: 100A max each, colour coded. Quantity varies depending on the model.
Cable Seals & Cavity Plug: Delphi Metri-Pack 280 series.
Input Studs M8: 100A Max each. Unit Rating Max: 200A (ssVEC), 400A (ssDVEC).
Operating Temperature: -40 °C to +105 °C.
Notes: The unit must be installed and oriented in accordance with factory guidelines (available on request).
Includes Components: Mini fuses, ISO 280 relays & fuse puller.
Does Not Include: Connectors, terminals, terminal seals and cavity plugs.



ssDVEC
32S Series

Part Number	PDU Model	Input M8 Bus Bar	Mini Fuses	ISO 280 12V Micro Relay	ISO 280 Ultra Micro Relay	Fuse Puller	Output Connectors Quantity & Colours
31S-000-0	ssVEC	Dual	8pcs	8pcs x 12V SPDT	-	1pc	4
31S-001-0	ssVEC	Dual	16pcs	4pcs x 12V SPDT	2pcs x 12V SPST	1pc	4
31S-002-0	ssVEC	Single	16pcs	-	8pcs x 12V SPST	1pc	3
31S-003-0	ssVEC	Dual	29pcs	-	-	1pc	4
31S-004-0	ssVEC	Dual+*	8pcs	8pcs x 12V SPDT ^	-	1pc	4
32S-300-0	ssDVEC	Quad	16pcs	16pcs x 12V SPDT ^	-	1pc	6
32S-301-0	ssDVEC	Quad	58pcs	-	-	1pc	8
32S-302-0	ssDVEC	Quad+*	24pcs	12pcs x 12V SPDT ^	2pcs x 12V SPST	1pc	8

*+ Version includes relay & fuse circuits powered via plug-in connectors instead of bus bar studs, please refer to circuit diagrams in QR datasheet. ^ SPDT Relay Pin 87a not available for use in some circuits.

Connectors, Terminals, Seals and Cavity Plugs purchased separately. Please refer to QR datasheet.

32006-A22	Connector Black	Suit ssVEC
32006-B22	Connector Grey	Suit ssVEC & ssDVEC
32006-C22	Connector Green	Suit ssVEC & ssDVEC
32006-D22	Connector Blue	Suit ssVEC & ssDVEC
32006-E22	Connector Yellow	Suit ssDVEC Custom Unit
32006-F22	Connector Red	Suit ssDVEC
32006-G22	Connector Orange	Suit ssDVEC
32006-H22	Connector Brown	Suit ssDVEC
32006-TP2	Secondary Lock Secures Terminals in Connector	

Output Connectors & Secondary Lock TPA

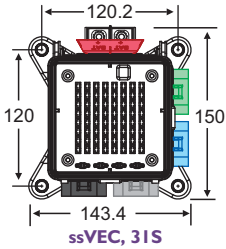


Tanged Terminals, Seals & Cavity Plugs

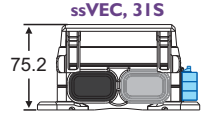


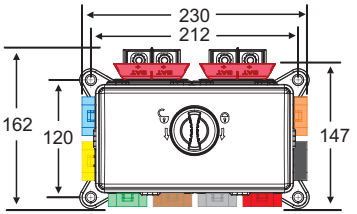
Fuse Puller # 32013BS
Mini Fuses
Mini Breakers



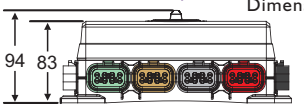


ssVEC, 31S





ssDVEC, 32S



Dimensions in MM

Custom Ordering Options (MOQ)

Cover: Vented, solid with gasket.
Cover Label: Inside, outside or both.
Power Input: Studs or 8mm blade terminals
Mounting: Ext. feet or Interior holes.
Busbar: Twin #B109-7081
Quad #B109-7031
Voltage: 24V versions also available.

Scan this QR Code for more information

QR Code: 9026

PROLEC
Email: info@prolecproducts.com.au
Web: www.prolecproducts.com.au

POWER DISTRIBUTION UNITS LOADED & MULTIPLEXED

EATON Bussmann

IP66 NEW

The multiplexed Vehicle Electrical Center (mVEC) is a power distribution node on a J1939 network, controlling relays based on information from the central vehicle controller. The mVEC will also return power distribution status information like relay state, failed relay, missing component or blown fuse.
High Power: 200A Rated. Individual outputs rated up to 30A (max of 32 outputs). 12V and 24V versions.
Flexible: The mVEC is offered in various standard and customized versions. Custom versions are configured to OEM wiring requirements. The mVEC accepts fuses, relays, circuit breakers, resistors, diodes, etc.- based on industry standard 2.8mm footprint.

Cost Effective: An alternative to high current, solid-state power distribution modules and features serviceable components. The mVEC is designed as a slave module, it is controlled by master modules. Standard units below come pre-loaded with relays, fuses and a fuse puller.
Custom Ordering Options: Cover marking: laser etching inside, outside or both. Compression limiters on mounting feet. Stuffed (with/without) components ie. fuses, relays, diodes, breakers, fuse puller. Customised circuit layouts, standard and custom CAN messages.



MVEC 31M Series

12V mVEC Part Number	24V mVEC Part Number	Input M8 Bus Bar	Mini Fuses	ISO 280 Ultra Micro Relay	Fuse Puller	Output Connectors	Output Total
31M-327-0	31M-328-0	Single	23pcs	4pcs x SPST	1pc	3	24
31M-000-2	31M-329-0	Single	16pcs	8pcs x SPST	1pc	2	16
31M-300-0	31M-330-0	Single	8pcs	12pcs x SPST	1pc	2	16

Part Number	Accessory Description
32006-A22	Output Connector Black Colour, 8 Position Keyed
32006-B22	Output Connector Grey Colour, 8 Position Keyed
32006-C22	Output Connector Green Colour, 8 Position Keyed
32006-TP2	Output Connector Secondary Terminal Lock 8 Pos.
MVECCCK	CAN Connector Kit includes; 1 x Connector, 12 x Terminals, 12 x Seals, 1 x TPA.



Fuse / Breaker Puller # 32013BS



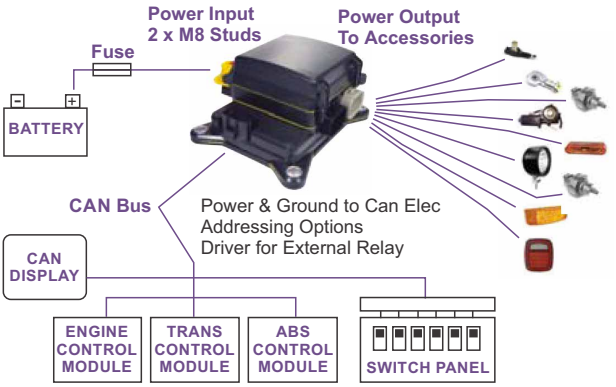
CAN Connector Kit # MVECCCK

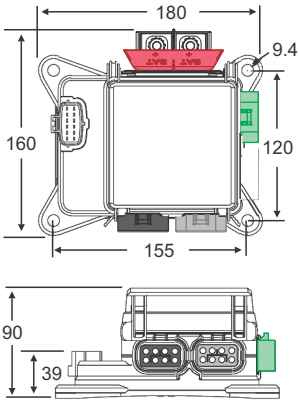


Voltage: 12VDC or 24VDC Options. **Rating:** 200A max.
Input Studs: 2 x M8, 100A max each. **Fuses:** 10A Mini fuses (pre-installed).
Relays: 4 pin ISO 280 Ultra Micro (SPST). 12VDC 20A or 24VDC 10A (pre-installed).
CAN Connector: AMP SSC 12-position sealed connector.
Output Connectors: up to 4, 100A max each, colour coded & sealed.
Output Connector Terminals: Delphi Metri-Pack 280 Female Sealed (Tanged). See QR Code or page 134 for further details on terminals, seals and cavity plugs.
Output Connector Terminal Rating: 30A max each.
Output Connector Cable Seals & Cavity Plug: Delphi Metri-Pack 280 series.
Operating Temp.: -40 °C to +85 °C. **Fuse Puller:** 32013BS (pre-installed).
Notes: Customers must follow the factory guidelines and adhere to installation instructions which include restrictions on mounting orientation. Each connector is keyed and only fits into the same colour connector on the unit. Documentation is available on request.

Scan this QR Code for more information

QR Code: 9027





Dimensions in MM

Littelfuse

NEW

IP67

IP69K

Mini Flexible Electrical Center (MiniFlec)

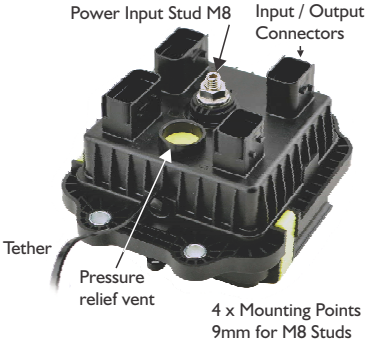
The MiniFlec is a compact, front access, internally bussed, connectorized, sealed IP67/69K rated power distribution module. It is suitable for mounting in rugged commercial vehicle applications, has a dense concentration of high power circuits and accepts plug-in devices like automotive fuses, diodes and relays to protect and control complex electrical systems. An internally mounted Printed Circuit Board (PCB) feeds power from a single M8 input stud to 9 x fuse protected relay controlled power output circuits and 6 x fuse only power output circuits. Relay switching and power output wires are connected to the module using Tyco HDSCS connectors located at the base of the unit. All plug-in components ie. fuses, relays and Tyco connectors are not included with the module and must be ordered separately. Contact sales for further information on Littelfuse custom designed units.



Features

- Module includes cover. A fuse puller is also fitted in the cover.
- 6 locations for spare fuses (4 x Mini fuses).
- Cover is tethered to the module to prevent misplacement.
- Yellow Assure Latch system for secure locking of cover to the module.
- Module is rated to 150A max load.
- All relays share a common ground circuit for relay coil.
- Vent plug located at the base of the unit.

Part Number:	Description
LFMX0007Z-01	Standard Unpopulated PDM & Cover for; Up to 12 x Mini Fuses (2A-30A) Up to 2 x MCase+ Slotted Fuses (15A-60A) Up to 1 x ISO Mini Relay 5 pin Up to 3 x ISO280 Micro Relays 4 Pin Up to 3 x ISO280 Ultra Micro Relays 4 Pin



Voltage: 9 to 16VDC (with 12V relays fitted)
18 to 32VDC (with 24V relays fitted)
Rating: Max Load 150A. **Power Input Stud:** 1 x M8 stud.
Fuse Ratings: Max fuse ratings shown in circuit diagram.
Connectors (x4): Tyco HDSCS series with MCP terminals.
Housing: 94V-0 glass reinforced nylon.
Cover: Includes Mini fuse puller and slots for 4 x spare Mini fuses.
Base: Includes vent for pressure equalization and slots for 2 x spare MCASE+ slotted fuses. **Tether**: Included.
Ingress Protection Rating: IEC 529, IP67, IP69K
Cover Gasket: Internal, silicone.
Mounting: Panel Mount (Rear fed connectors)..
Vibration: ISO 16750-4
Temperature Rating: -40 °C to +85 °C.
Notes: Connectors, fuses & relays are not included.
Approvals: RoHS REACH Pb

Scan this QR Code for more information

QR Code: 9032



RELATED PRODUCTS:



Mini Fuses & Mini LED Fuses, Mini Blade Breakers, Mcase+ Slotted Fuses.



ISO280 Ultra Micro Relays, ISO280 Micro Relays, ISO Mini Relay

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Email: info@prolecproducts.com.au
Web: www.prolecproducts.com.au

Littelfuse

NEW IP67

Flexible Electrical Center (FLEC™)

The FLEC™ is a configurable power distribution module. It accommodates circuit protection components in a sealed IP67 rated housing with a compact footprint & high component density. Littelfuse offers both standard versions (loaded or unloaded) as well as custom designs. Contact sales for further information on custom made products. The module is also equipped with terminals for plug-in components such as fuses and relays. Power is supplied to the module using three M8 power input studs (100A each). Power is output from the module using standard Delphi GT series sealed connectors that provide up to 76 output circuits for powered accessories.

Scan this QR Code for more information

QR Code: 9031

Twist-on cover with internal silicone gasket.
Internal storage for 4 spare fuses & fuse puller.
Tether included. Optional custom lid label.

Stud caps to protect from shorts.
M8 studs for power input & ground

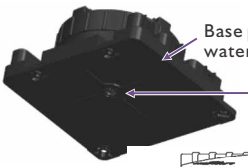


FLEC3000Z-0

Part Number	Description
FLEC3000Z-0U	Unpopulated PDM 12VDC / 32VDC Up to 28 x Mini Fuses / Mini Breakers Up to 18 x Micro ISO 280 Relays 5 Pin
FLEC3000Z-0	Populated PDM 12VDC includes; 28 x Mini Fuses. (6ps x 15A & 22pcs x 30A) 18 x Micro ISO 280 12VDC Relays 5 Pin.
CFLEC001Z-01	Populated Can-Bus PDM 12VDC includes; 29 x Mini Fuses. (8ps x 20A & 21pcs x 30A) 12 x Ultra Micro ISO 280 12VDC Relays 4 Pin. 3 x Micro ISO 280 12VDC Relays 5 Pin.

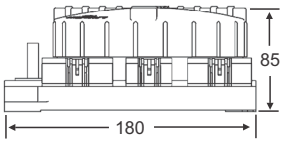
Voltage: See above for corresponding unit.
Rating: Max Load 300A. Max Fuse Rating 30A
Power Input Studs: 3 x 100A rated M8 studs. Plated copper and stainless steel. Red or black covers included.
Power Output Terminals: 38 x 1.5mm blades (15A) & 38 x 2.8mm blades (25A) suit Delphi GT 150 & 280 series sealed plug-in connectors.
Internal PCB: FR4 board with multi-layer high current 6oz copper. Conformal coating available.
Materials: UL94V0 thermoplastic.
Cover: Twist-on design with easy single-handed removal / installation. No latches to break and low over-head clearance requirements. Inside cover features slots for 4 x spare Mini fuses and includes a fuse puller.
Base: Includes vent for pressure equalization.
Ingress Protection Rating: IP67
Cover Gasket: Internal, high temperature silicone.
Connectors: FLEC 6 connectors. *CFLEC 5 connectors.
Custom Layout Component Options: Mini fuses, JTF fuses, MJC fuses, Relays & PCB mount components. Can be designed to accept other components (development/tooling may be required). Internal PCB allows for custom circuit configurations, including designs requiring electronics such as those used in CAN J1939 and LIN systems.
Temperature Rating: -40 °C to +85 °C.
Options: MegaFlex holders can be interlocked to the base for high current protection with a stepped busbar # 882-841. A Mega fuse can be installed across the M8 input studs to pre-fuse multiple circuits in the FLEC. Custom component label or inside cover label.
Test Specifications: SAE, USCAR and ISO.

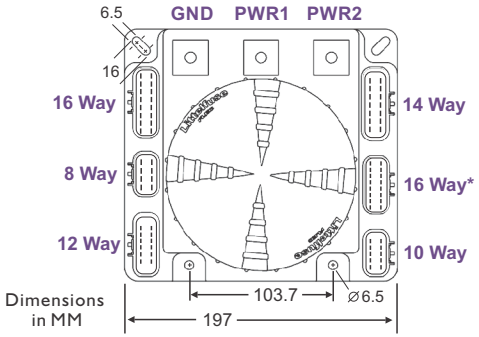
Standard 1.5 & 2.8mm terminals for use with standard Delphi GT series sealed connectors.



Base plate with gasket prevents water intrusion from rear.

Includes vent for pressure equalization.





POWER DISTRIBUTION UNIT (EPC)

Littelfuse

NEW

IP67

IP69K

This sealed power distribution module is an internally bussed and connectorized unit, suitable for mounting in rugged commercial vehicle applications. This unit has dense concentration of high power circuits and accepts plug devices like automotive fuses, diodes and relays to protect and control complex electrical systems. An internal Printed Circuit Board (PCB) provides bussed connections to a large number of devices. You decide which fuses and which wires.



Features
- 2 Individual power input circuits power fuses and relays using internal buses.
- Stand-alone relays & fuses for seperate power sources.
- Cover is tethered to the module to prevent misplacement.
- Custom configurations available.
- Module is rated to 200A max load.
- Vent plug located at the base of the unit.
- Sealed rugged enclosure (IP67/69K) protects internal circuitry from harsh environments such as high shock, vibration, as well as moisture and contaminants.

Part Number:	Description
LFLX0006Z-01	Standard Unpopulated PDM & Cover for; Up to 27 x Mini Fuses Up to 9 x ISO280 Micro Relays 4 or 5 Pin* Note:*Pin 87a is not used on some relays.



Voltage: 12VDC (with 12V relays fitted)
24VDC (with 24V relays fitted)
Rating: Max Load 200A.
Power Input: Multiple sources via connector terminals.
Wire Sizes: 0.5mm² to 2.5mm²
Fuse Ratings: Max fuse ratings shown in circuit diagram.
Connectors (x4): Tyco HDSCS with AMP MCP terminals.
Base: Includes vent for pressure equalization.
Ingress Protection Rating: IP67/69K
Body Gasket: Silicone.
Body & Cover Material: Pet glass filled (UL94-V0)
Mounting: Surface Mount.
Custom Options: Please contact sales.
Temperature Rating: -40 °C to +85 °C.
Bolt Mounting Torque: 6 - 8 Nm
Notes: Connectors, fuses & relays are not included.



Internal Circuit Summary

Power input 1 supplies:
- 2 x SPST relays supply fuse protected power*.
- 1 x Fuse protected output (relay by-pass).
- 15 Mini fuses.

Power input 2 supplies:
- 3 x SPST relays supply fuse protected power*.
- 2 x Fuse protected outputs (relay by-pass).
- 5 Mini fuses.

Stand-alone circuits (independent power):
- 1 x SPST ISO280 Micro relay*.
- 2 x SPDT ISO280 Micro relays*.
- 1 x SPDT ISO280 Micro relay.
- 2 Mini fuses.

*Relay coil is connected to the common ground stud.

Scan this QR Code for more information

QR Code: 9033

RELATED PRODUCTS:



Mini Fuses, Mini Resistors, Mini Diodes, Mini Shunts & Mini Blade Circuit Breakers.



Micro ISO280 Relays, 12VDC or 24VDC.

PROLEC

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Web: www.prolecproducts.com.au

TERMINAL BLOCKS DIN RAIL MOUNT



MORSETTITALIA

Part Number	Product Description	Conductor	Pack Size	Colour
43408	Terminal block 24A, 1000V (Inputs / Out)	Flexible (0.5-2.5mm²), Rigid (0.5-4m²)	1/100	Grey
43409	Terminal block 32A, 1000V (Inputs / Out)	Flexible (0.5-4mm²), Rigid (0.5-6m²)	1/100	Grey
43409BL	Terminal block 32A, 1000V (DC Control)	Flexible (0.5-4mm²), Rigid (0.5-6m²)	1/100	Blue
43409E	Terminal block 32A, 1000V (Earth)	Flexible (0.5-4mm²), Rigid (0.5-6m²)	1/100	Ylw / Gr
43401	Terminal block 41A, 1000V (Inputs / Out)	Flexible (0.5-6mm²), Rigid (0.5-10m²)	1/50	Grey
43525/24	Insulated jumper (pitch 5.1mm) 25A, 600V	Flexible (2.5mm²) 24 Poles plug in	1/5	Orange
43520/24	Insulated jumper (pitch 6.1mm) 25A, 600V	Flexible (4mm²) 24 Poles plug in	1/5	Yellow
43621/24	Insulated jumper (pitch 7.1mm) 50A, 600V	Flexible (6mm²) 24 Poles screw in	1/5	Green
43010	End plate (1.5mm wide), Suit Euro 2.5 - Euro 4		1/100	Grey
43011	End plate (1.5mm wide), Suit Euro 6 - Euro 10		1/100	Grey
43444	End bracket (stop modules sliding on DIN rail)		1/100	Grey
43300	Marking tags. Printed numbers 1-10 (2 sets)		1/25	White
43310	Marking tags. Printed numbers 1-100 (1 set)		1/5	White
43311	Marking tags. Printed numbers 101-200 (1 set)		1/5	White
43192	Marking tags. Blank stem. 1 stem = 20 Marking tags.		1/25	White

Connection: Slot screw terminals. **Mounting:** DIN Rail 35.
End Plates: The blocks feature 1 x open and 1x closed wall so only one End Plate is required to finish either a single module or multiple adjoining modules.
Jumpers: Jumpers can be used to share power from one input cable across multiple modules and are supplied in strips of 24. Ratchet jumper cutting tools also available contact sales.
End Stop: These modules feature a screw which tightens onto the DIN rail to stop modules sliding along the rail.
Accessories: Euro Omega DIN 35 Rails. Angled rail brackets. Protection covers. Test plugs. Complete range of marking tags.
Colour Options: Blue, Yellow/Green, Yellow, Orange, Red, Green, Black, Brown and White.
Extended Range: Terminal blocks to suit 10mm², 25mm², 50mm², 70mm², 95mm² cable sizes are also available.
Notes: Contact sales for further information.
Approvals:



43408 Terminal Block 2.5mm²
44 (L) x 36 (H) x 5mm (W)
Connecting capacity: 12mm (CC)
Insulated jumper # 43525/x



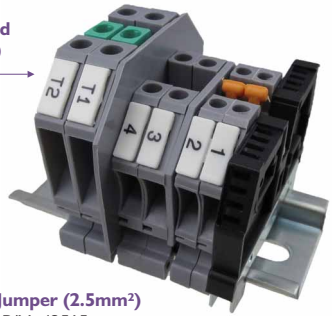
43409 Terminal Block 4mm²
44 (L) x 36 (H) x 6mm (W)
Connecting capacity: 12mm (CC)
Insulated jumper # 43520/x



43401 Terminal Block 6mm²
50 (L) x 44 (H) x 7mm (W)
Connecting capacity: 18mm (CC)
Insulated jumper # 43621/x

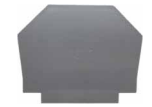
Marking Tags - Printed
eg. 1 x Stem # 43300
Break off and insert →







43444 - End Bracket
55 (L) x 34 (H) x 6mm (W)



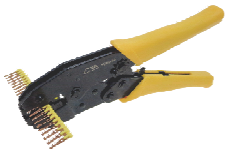
43010 - End Plate, Euro 2.5-4
44 (L) x 35 (H) x 1.5mm (W)



43011 - End Plate, Euro 6-10
50 (L) x 43 (H) x 1.5mm (W)

43525/24 - Insulated Jumper (2.5mm²)
Note: Cutting tool J2,5 P/N: 43515





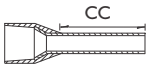
43520/24 - Insulated Jumper (4mm²)
Note: Cutting tool J4 P/N: 43516



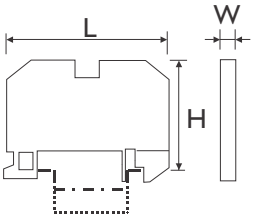
43621/24 - Insulated Jumper Bar (6mm²)
Note: JP6 can be separated by hand. No tool required.







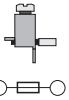
Ferrule Connecting Capacity (CC)



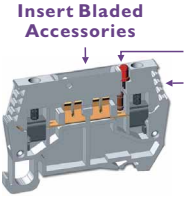
BLADE FUSE TERMINAL BLOCKS DIN RAIL MOUNT

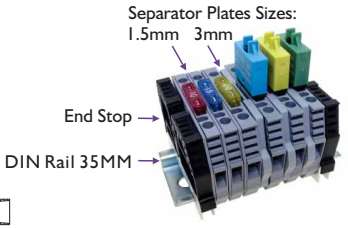
MORSETTITALIA

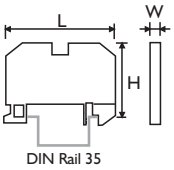
- Push in various circuit protection devices including auto blade fuses or bladed circuit breakers.
- Blocks can facilitate plug in modules. Module options include diodes, MOV's and cartridge fuses.
- Disconnector options include bladed plug or knife type for on / off switching of a circuit.
- Single or multiple pole terminal blocks with optional insulated and dividable jumper.
- Standard termination screw terminals. Optional screw-less spring terminals or hybrid terminals.
- Marking accessories are a available for both the blocks and cables.



Screw Terminals







Part Number	Description	Ampere / Volt Rating	Colour	Dimensions in MM L	H	W
4358100	Auto blade fuse module 0.5mm² to 4mm² (#24-10AWG)	25A, 300V		58.9	29.5	6
4358101	Auto blade fuse module 0.5mm² to 4mm² + 12V LED	25A, 12V		58.9	29.5	6
4358102	Auto blade fuse module 0.5mm² to 4mm² + 24V LED	25A, 24V		58.9	29.5	6
435K0000	Disconnector (Plug in type) Orange	25A, 300V		19.2	20.4	5
43444	End stop (Stops modules sliding).	-		55	34	6
43585	Separator / End plate (1.5mm wide) ^	-		55	33	1.5
4358630	Separator / End plate (3.0mm wide) ^	-		55	33	3.0
43506/22	Insulated jumper 22 pole (Pitch 6.1mm) JB6	25A, 600V		-	-	-
43509/12	Insulated jumper 12 pole (Pitch 9.1mm) ^ Jb9	25A, 300V		-	-	-
43300	Marking tags. Printed No. 1-10 (2 sets)	-		11.9	-	4.8
43310	Marking tags. Printed No. 1-100 (1 set)	-		11.9	-	4.8
43311	Marking tags. Printed No. 101-200 (1 set)	-		11.9	-	4.8
43192	Marking tags. Blank stem. 1 stem = 20 Marking tags.	-		11.9	-	4.8

Mounting: DIN Rail 35 **Connection:** Screw standard. Optional cage clamp or hybrid connection.
Optional Components: Mini fuse module, non-fused terminal block modules and Euro Omega DIN 35 Rails.
Jumpers: Jumpers can be used to share power from one input cable across multiple fuse modules and are supplied in strips of 12. They can be cut using the ratchet jumper cutting tool #43517. ^ One x 3.0mm or two x 1.5mm separator / end plates are required between each fuse module when using jumpers. Sectional and side-inserted.
Fuse Modules: Feature 1 x open and 1x closed wall so only 1 x end plate is required to finish either a single module or multiple modules. Fuse modules accept both auto blade fuses and auto blade circuit breakers. Cartridge fuses can be fitted by purchasing the appropriate fuse holder module which plugs directly into the fuse module.
Fuse Holders: *One x 1.5mm separator / end plate is required between each adjoining fuse module.
End Stop: These modules feature a screw which tightens onto the DIN rail to stop modules sliding along the rail.

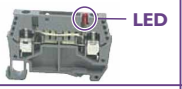
Auto Fuse 1A - 30A 32VDC
LED Auto Fuse 3A - 30A 32VDC
See page 17



Auto Blade Circuit Breakers
Automatic & Manual Reset
See page 49 - 50



Blade Fuse / Breaker Modules
Wire fixing: 2 x screw connectors.
Optional 12V / 24V LED indicator.



Disconnector
Plug type. Tool less.
Push in / pull out.



Separator / End Plates
Separates terminal blocks.
Completes a row.
1.5mm or 3.0mm width options.



End Stop
Fitted to each end of a row of terminal blocks. Stops modules sliding on DIN rail. Screw down.



Ratchet Tool Cuts
Side inserted plug in jumpers.
P/N: 43516 cuts jumper 6.1mm pitch
P/N: 43517 cuts jumper 9.1mm pitch



Optional Plug In Module Options
Cartridge fuse module. M205 or 3AG.
MOV / Surge supply module V130LA2.
Diode modules. Contact sales.



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CARTRIDGE FUSE TERMINAL BLOCKS DIN RAIL MOUNT

MORSETTITALIA

Part Number	Description	Conductor
43445H	M205 Fuse Block 4mm² 30A, 300V (* 500V)	Flexible (0.5-4mm²), Rigid (0.5-6mm²)
43433H	3AG Fuse Block 10mm² 30A, 600V (* 750V)	Flexible (1.5-10mm²), Rigid (1.5-16mm²)
43444	End Bracket (stop modules sliding on DIN rail)	
43300	Marking Tags. Printed No.1-10. 1 Stem = 20pcs	
43310	Marking tags. Printed No. 1-100. 1 stem = 20pcs	
43311	Marking tags. Printed No. 101-200. 1 stem = 20pcs	
43192	Marking tags. Blank stem. 1 stem = 20 Marking Tags	
43097	Neutral Link Solid 5 x 20mm (M205 fuse size)	
43099	Neutral Link Solid 6.35 x 31.75mm (3AG fuse size)	

Mounting: DIN Rail 35 **Connection:** Slot screw terminals.
End Plates: Not required, enclosed holder.
End Stop: End Bracket 43444.
Accessories: Euro Omega DIN 35 Rails.
LED Indicating Range: 12/24V, 60V, 110A & 220V options.
Notes: Contact sales for further information.
Do not disconnect fuse under load. Fuses not included.
Approvals: *Factory approved voltage.
43445H (cULus) (30A / 300V), (UL) (15A / 300V), IEC (6.3A / 250V)
43433H (cULus) (30A / 600V), (UL) (30A / 600V), IEC (6.3A / 250V)

Cartridge Fuses & Solid Neutral Links





43445H - M205 Fused Terminal Block
66 (L) x 44 (H) x 10mm (W)
M205 Fuses contact sales



43433H - 3AG Fused Terminal Block
82 (L) x 53 (H) x 10mm (W)
3AG Fuses see p.11



Marking Tags - Printed eg. 1 x Stem # 43300 Break off and insert



POWER DISTRIBUTION BLOCKS - FINGER SAFE 1000V

EATON Bussmann

IP20 1000V

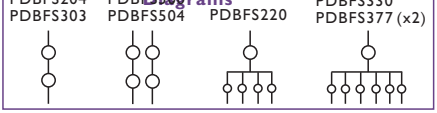
Features
- Enclosed, IP-20 finger-safe.
- High Short-Circuit Current Rating up to 200,000A.
- Small footprint saves panel space.
- Captive termination screws. Wire ready.
- Single pole or gang mountable for multiple pole applications with interlocking dovetail accessory. #2A1279.
- DIN rail & panel mount PDBFS204, 220, 303, 377, 500.
- Sliding DIN rail latch for easy mounting.
- Panel mount only *PDBFS330, *PDBFS504.
- Elongated hole for flexible panel mounting.
- DIN rail end anchors required to prevent damage to block when torqueing.



Part Number	Ampere Rating	Configuration Openings Per Pole	Line Wire Range	Load	Load Wire Range
PDBFS204	175A	1	2/0 - 8AWG (70-10mm²)	1	2/0 - 8AWG (70-10mm²)
PDBFS220	175A	1	2/0 - 8AWG (70-10mm²)	4	4/0 - 14AWG (25-2.5mm²)
PDBFS303	310A	1	350kcmil - 6AWG (150-16mm²)	1	350kcmil - 6AWG (150-16mm²)
PDBFS330*	380A	1	500kcmil - 6AWG (240-16mm²)	6	2 - 14AWG (35-2.5mm²)
PDBFS377	570A	2	300kcmil - 4AWG (150-12mm²)	12	4 - 14AWG (25-2.5mm²)
PDBFS500	620A	2	350kcmil - 4AWG (185-12mm²)	2	350kcmil - 4AWG (185-12mm²)
PDBFS504*	760A	2	500kcmil - 6AWG (240-16mm²)	2	500kcmil - 6AWG (240-16mm²)
2A1279	-	-	Interlocking dovetail accessory	-	

Voltage: 690VAC/DC (IEC), 600VAC/DC (UL 1953), 1000VDC (factory self certified to UL 1059 Pt.II).
I.R.: Short-Circuit Current Ratings up to 200,000kA.
Body: UL 94VO.
Studs: Tin plated AL connectors suitable for CU conductors.
Dimensions and Pack Size: Please contact sales.
Approvals: (cULus) (IEC CE)

Circuit Diagrams



SCREW DOUBLE ROW TERMINAL BLOCKS

EATON Bussmann

Features

- Allows fully insulated independent terminal blocks for applications where circuits must be isolated.
- Closed back design completely insulates power from the mounting surface.
- Each screw pair is one isolated circuit. Barriers separate all circuits.
- Terminal block jumpers allow creation of common circuits.

Part Number	Poles	Amp * Rating	Voltage	Diagram	Dimensions in MM A	B
TB200-04B	4	30	300V	1	63.8	55.4
TB200-06B	6	30	300V	1	85.9	77.8
TB200-08B	8	30	300V	1	108.0	99.9
TB200-10B	10	30	300V	1	130.4	122.3
TB200-12B	12	30	300V	1	152.4	144.2
TB300-04B	4	30	600V	2	82.6	71.4
TB300-06B	6	30	600V	2	111.1	100.2
TB300-08B	8	30	600V	2	139.8	128.6
TB300-10B	10	30	600V	2	168.3	157.3
TB300-12B	12	30	600V	2	197.0	185.8



TB200-10
#6-32 Screws

Wire Range: #12 - 22 AWG CU (TB200 series)
8 - 22 AWG CU (TB300 series)
Screw Size: #6-32 Philslot screws (TB200 series)
#8-32 Philslot screws (TB300 series)
(see other screw options below)
Operating Temperature: -40°C to 130°C
Base: UL rated 94V0 thermoplastic (black)
Breakdown Voltage: 4800V (TB200 series)
7500V (TB300 series)
Terminal: Tin plated brass.
Screws: Nickel plated brass (Philslot) screws included.
Pack Size: Varies, please contact sales.
Note: *Maximum rating, some options may be rated lower, please contact sales.
Approvals: IEC



TB300-08
#8-32 Screws

Diagram 1 (TB200 Series)

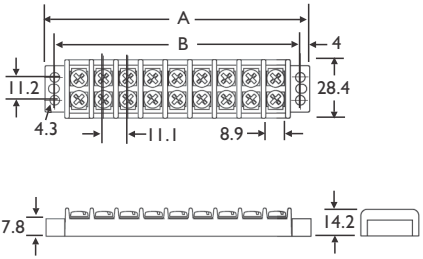
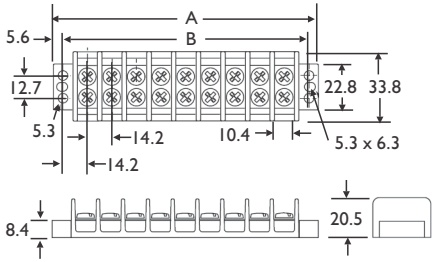


Diagram 2 (TB300 Series)



Jumper Options for TB200 / TB300

TB200 20A Jumpers	TB300 30A Jumpers	Description
J201-J	J301-J	Flat slip on
OJ7-J	OJ6-J	Closed over barrier



Flat Slip On



Closed Over Barrier

Note: Jumpers allow creation of common circuits.

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STUD JUNCTION TERMINAL BLOCKS #10-32

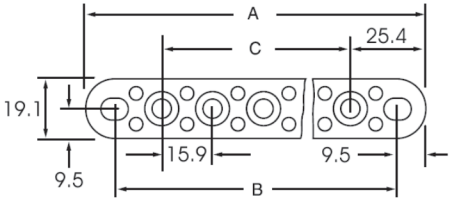
Bussmann

Part Number	Nbr. of Positions	Dimensions in MM A	B	C
C5237-1	1	50.8	31.7	-
C5237-2	2	66.7	47.5	15.9
C5237-3	3	82.5	63.4	31.7
C5237-4	4	98.4	79.4	47.5
C5237-6	6	130.8	111.1	79.4
C5237-8	8	161.9	142.9	111.11
C5237-10	10	193.7	174.6	142.9
C5237-12	12	225.4	206.4	174.6

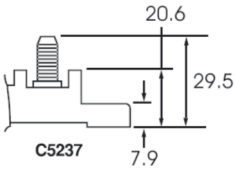


C5237
10-32 Stud

Rating & Voltage: 30A at 600V (CSA)
30A at 300V (UL)
Body: Black Thermoplastic
Studs: Yellow zinc plated brass. #10-32 threaded studs on 0.625" (15.9mm) centers. Studs feature a "dog point" to guide nut onto thread.
Torque Rating: 2.8Nm max.
Hardware: Nuts & washers included.
Temperature Rating: 120°C
Features: Numbers & arrows molded on top of barriers to indicate terminals.
Notes: Extended range also available contact sales.
Approvals:



Mounting holes
7.14 x 9.52 slot



Dimensions in MM

RELATED PRODUCTS:



Busbar 2-12 Poles
(Contact Sales)



Stud Cover
(Contact Sales)

STUD JUNCTION TERMINAL BLOCKS #10-24

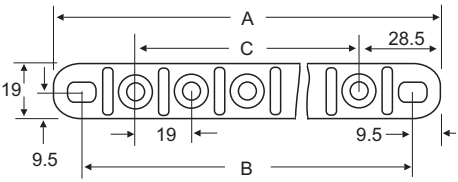
Bussmann

Part Number	Nbr. of Positions	Dimensions in MM A	B	C
C4559-2	2	76.2	57.1	19.0
C4559-3	3	95.2	76.2	36.1
C4559-4	4	114.3	95.2	57.1
C4559-5	5	133.3	114.3	76.2
C4559-6	6	152.4	133.3	95.2
C4559-8	8	190.5	171.4	133.3
C4559-10	10	228.6	209.5	171.4
C4559-12	12	266.7	247.6	209.5

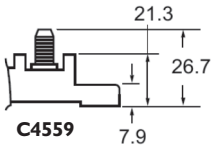


C4559
10-24 Stud

Rating & Voltage: 30A at 600V
Body: Black Thermoplastic
Studs: Zinc plated steel. #10-24 threaded studs on 0.75" (19mm) centers. Studs feature a "dog point" to guide nut onto thread.
Torque Rating: 2.7Nm max.
Options: Nuts & washers included.
Temperature Rating: 120°C
Features: Numbers & arrows molded on top of barriers to indicate terminals.
Approvals:



Mounting holes
7.14 x 9.52 slot



Dimensions in MM

RELATED PRODUCTS:



Busbar 2-12 Poles
(Contact Sales)



Stud Cover
(Contact Sales)

Heavy-duty ground or power connection points in AC or DC circuits.
Ideal for creating a centralized power distribution or grounding point.



C1933
1/2"-13 Stud



C1933R
1/2"-13 Stud



C1933-6B
3/8"-16 Stud



C1933-6R
3/8"-16 Stud



JB3816-2
3/8"-16 Stud



JB3816-3
3/8"-16 Stud

Part Number	Body Colour	Amp Rating	Thread Size M	Stud Material	Stud Plating	Base Dia.	Dimensions in MM A	B	C	D	E	F	H	K
C1933	Black	400A	1/2"-13	Brass	Zinc	1	69.8	36.6	31.7	38.1	28.6	9.5	4.8	50.8
C1933R	Red	400A	1/2"-13	Brass	Zinc	1	69.8	36.6	31.7	38.1	28.6	9.5	4.8	50.8
C1933-6B	Black	250A	3/8"-16	Brass	Zinc	1	69.8	36.6	31.7	38.1	28.6	9.5	4.8	50.8
C1933-6R	Red	250A	3/8"-16	Brass	Zinc	1	69.8	36.6	31.7	38.1	28.6	9.5	4.8	50.8
JB3816-2	Black	250A	3/8"-16	Steel	Zinc	2	54.0	24.9	15.9	22.2	17.5	7.9	1.6	34.9
JB3816-3	Red	250A	3/8"-16	Steel	Zinc	2	54.0	24.9	15.9	22.2	17.5	7.9	1.6	34.9

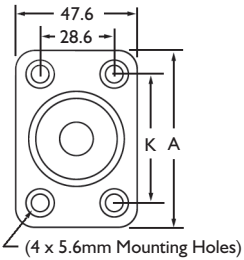


Diagram 1

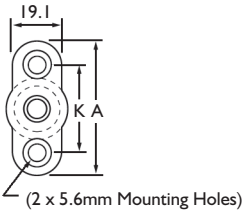
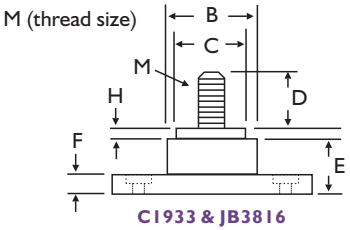


Diagram 2



C1933 & JB3816

Voltage: AC / DC
Body: Thermoplastic
Mounting Torque Rating: 5.4Nm max.
Hardware: Hex nut & spring washer supplied in bulk.
Also available without hardware.
Pack Size: 1, 10, 50, 100

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Web: www.prolecproducts.com.au

STUD TYPE JUNCTION BLOCKS - FEED THROUGH

EATON Bussmann

Feed-Through blocks are designed to be used on a firewall or panel.



C1925B
1/2"-13 Stud



C1925
1/2"-13 Stud



C1925-2B
3/8"-16 Stud



C1925-2
3/8"-16 Stud



C1938-1
5/16"-18 Stud



C1938-1R
5/16"-18 Stud



C1938
3/8"-16 Stud



C1938R
3/8"-16 Stud



C2791
1/4"-20 Stud



C2791-R
1/4"-20 Stud

Part Number	Body Colour	Amp Rating	Thread Size M	Stud Mat.	Stud Plating	Dia.	Dimensions in MM A	B	C	D	E	F	G	H	J	K
C1925B	Black	400A	1/2"-13	Brass	Zinc	1	69.8	38.1	31.7	31.7	28.6	9.5	28.6	4.8	4.8	50.8
C1925	Red	400A	1/2"-13	Brass	Zinc	1	69.8	38.1	31.7	31.7	28.6	9.5	28.6	4.8	4.8	50.8
C1925-1B	Black	400A	1/2"-13	Brass	Tin	1	69.8	38.1	31.7	31.7	28.6	9.5	28.6	4.8	4.8	50.8
C1925-1	Red	400A	1/2"-13	Brass	Tin	1	69.8	38.1	31.7	31.7	28.6	9.5	28.6	4.8	4.8	50.8
C1925-2B	Black	250A	3/8"-16	Brass	Tin	1	69.8	38.1	31.7	31.7	28.6	9.5	28.6	4.8	4.8	50.8
C1925-2	Red	250A	3/8"-16	Brass	Tin	1	69.8	38.1	31.7	31.7	28.6	9.5	28.6	4.8	4.8	50.8
C1938-1	Black	200A	5/16-18	Brass	Tin	2	52.4	23.8	17.5	22.2	17.5	7.9	23.8	1.6	1.6	33.3
C1938-1R	Red	200A	5/16-18	Brass	Tin	2	52.4	23.8	17.5	22.2	17.5	7.9	23.8	1.6	1.6	33.3
C1938	Black	250A	3/8"-16	Brass	Zinc	2	52.4	23.8	17.5	22.2	17.5	7.9	23.8	1.6	1.6	33.3
C1938R	Red	250A	3/8"-16	Brass	Zinc	2	52.4	23.8	17.5	22.2	17.5	7.9	23.8	1.6	1.6	33.3
C2791	Black	100A	1/4"-20	Brass	Zinc	3	52.4	17.5	11.2	15.9	17.5	7.9	17.5	1.6	1.6	33.3
C2791-R	Red	100A	1/4"-20	Brass	Zinc	3	52.4	17.5	11.2	15.9	17.5	7.9	17.5	1.6	1.6	33.3

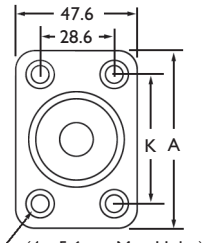


Diagram 1

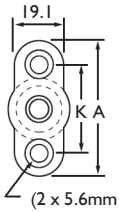
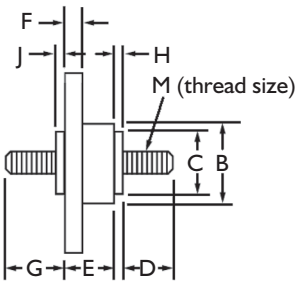


Diagram 2

Diagram 3



Voltage: AC / DC
Body: Thermoplastic
Studs: Brass
Mounting Torque Rating: 5.4Nm max.
Hardware: Hex nut & spring washer supplied in bulk. Also available without hardware.
Pack Size: 1, 10, 50, 100

3 WAY PASS THROUGH DISTRIBUTION BLOCK

EATON Bussmann

NEW

Designed to meet multiple power / ground requirements, the GB3000 provides 3 pass-thru M6 studs for easy cable attachment in both the cabin and engine compartment of your vehicle. These blocks provide robust connections, eliminates the need to stack cables and reduces associated warranty claims based on affiliated problems. The GB3000 also provides power distribution suitable for many feed thru applications in marine, construction, agriculture, bus, military, RV and specialty vehicles.

The GB3000 series block includes 2 bus bars (removable) to create a common single circuit across the 3 feed thru studs. The GB3001 series block does not include the 2 bus bars, provides power or ground feed thru for 3 individual circuits, one for each stud.

Part Number	Block Description	Current Rating	Body Colour
GB3000-1R	Single Circuit Feed Thru	200A Max Total	Red
GB3000-1B	Single Circuit Feed Thru	200A Max Total	Black
GB3001-1R	3 Circuit Feed Thru	60A Max Per Stud	Red
GB3001-1B	3 Circuit Feed Thru	60A Max Per Stud	Black



GB3000-1R



GB3000-1B

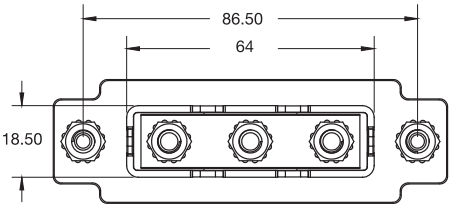
Amperage: See above.
Temperature Rating: -40°C to 85°C
Hardware: M6 nuts included.
Torque: M6 stud & mounting 5.6Nm max.
Current Carrying Studs: Zinc-plated brass.
Mounting Studs: Stainless steel.
Housing: Black UL rated 94V0 thermoplastic.
Cover Colours: Black or red.
Cover Material: Santoprene cover rated 94V0 for protection from accidental shorts.
Gasket: Included for ingress protection. Black santoprene gasket rated 94V0.
Approvals: RoHS

Circuit Diagram Single Circuit Feed GB3000

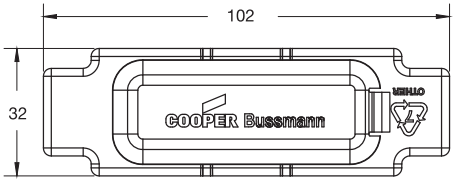


Circuit Diagram 3 Circuit Feed GB3001

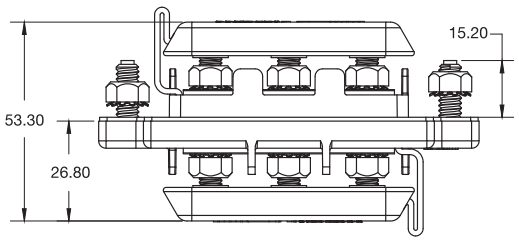


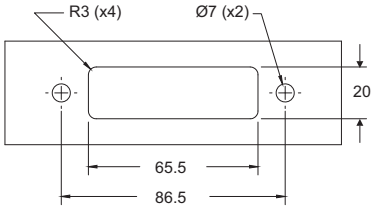


Pictured Without Cover



Dimensions in MM





Panel Cutout

POWER DIST.

PROLEC

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HEAVY DUTY BATTERY FEEDER STUDS 3/8"

Littelfuse

These battery feed studs are designed to bring power through fire walls and bulk heads.



Features

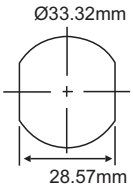
- Easy to install for quick distribution of power.
- Impact resistant threaded mount bushing.
- Self locking mounting nut.
- Suits panel up to 9mm thick.
- Colour coordinated to serve as easy-to-identify power points.

Part Number	Description
46211-R	3/8"-16 Feeder Stud Red Body
46211-01	3/8"-16 Feeder Stud Black Body



Voltage: 6VDC to 36VDC
Current Ratings:
- Up to 250A (continuous) at 50mm² cable.
- Up to 600A for up to 20 seconds ON (10 minutes OFF).
Temperature Rise: (up to 400A at 24V) from 55.6°C to 67 °C using 0 AWG cable.
Stud: Brass.
Terminal Size: 3/8"-16, 5/8" (15.9mm) long.
Hardware: 2 x Lock washer and 2 x brass hex nut.
Plastic Insulator: PBT Valox 420 SEO.
Flammability Rating: V0-V2 UL94.
Bushing Size: 32.1mm diameter, 15.9mm length.

Panel Cutout



Body Diameter: 36mm
Overall Dimensions:
40 D x 40 W x 52 H(mm)

HEAVY DUTY BATTERY JUMPER STUDS 3/8"

Littelfuse

A battery jumper studs allow direct connection to the battery at more easily accessible locations inside or outside the vehicle.



Features

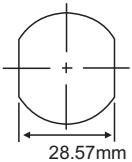
- Easy to install for quick distribution of power.
- Impact resistant threaded mount bushing.
- Self locking mounting nut.
- Suits panel up to 9mm thick.
- Colour coordinated to serve as easy-to-identify power points.

Part Number	Description
46210-02	3/8"-16 Jumper Post, Red Band & 1 x Red Cap
46210-03	3/8"-16 Jumper Post, Black Band & 1 x Black Cap



Voltage: 6VDC to 48VDC
Current Rating: 285A (continuous) at 120mm² cable, with temperature rise 25°C above ambient.
Stud: Brass.
Stud Size: 3/8"-16 dia, (14.5mm) long.
Terminal Size: 13/16" (20.6mm)dia., 1-1/8" (29.9mm) long.
Contact Post: 20.6mm diameter, 28.8mm length.
Grooved double nut accepts standard jumper cables.
Body: Nylon 66
Hardware: 1 x Lock washer and 1 x brass hex nut.
1 x Brass double nut.

Panel Cutout



Body Diameter: 36mm
Overall Dimensions:
40 D x 40 W x 67 H (mm)

LIGHT DUTY BATTERY FEEDER STUDS 1/4"

GEP POWER PRODUCTS

NEW

58V

MIL-STD

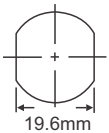
Features
- Small and light application through a firewall or bulkhead.
- High rating in a small package Military Grade.
- High torque rating due to patented material combination.

Part Number	Stud	Hardware	Colour
PTR-14D-05	1/4"-28	Serrated Flange Nuts	Red
PTB-14D-05	1/4"-28	Serrated Flange Nuts	Black
OR-022	-	O-Ring Seal	Black





Panel Cutout
Ø 22.1mm



Overall Dimensions:
58 H x 36 W x 32 D (mm)

Voltage: 58VDC **Rating:** 400A (0 AWG or larger wire).
Grade: Commercial & Military
Torque Rating: Body-Locknut 10 foot lbs.
Materials: Body-Nylon 66, Conductive-Core-Copper.
Studs: Stainless Steel.
Mounting Locknut: 1.25" Nylon 66. **Option:** Steel.
Hardware: 2 x Serrated Flange Nut-Zinc Plated Steel.
O-Ring Material: Silicon **Size:** AS568-022
O-Ring Seal Dimensions: Cross Section: 1.59mm
Internal Dia. 25.4mm, Outside Dia. 28.58mm.
Note: No Caps. RoHS



O-Ring Seal

HEAVY DUTY BATTERY FEEDER STUDS 3/8"

GEP POWER PRODUCTS

NEW

58V

MIL-STD

Features
- Military grade, power feed for applications through a firewall or bulkhead.
- Higher electrical rating and lower resistance due to a larger cross sectional area and the utilization of a higher conductive material.
- Increased installation torque values GEP's unique manufacturing.

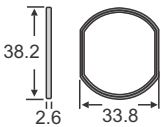
Part Number	Stud	Hardware	Mtg Nut	Caps	Colour
PTR-38A-01	3/8"-16	Double Nuts SS	Stainless	Yes	Red
PTB-38A-01	3/8"-16	Double Nuts SS	Stainless	Yes	Black
PTR-38A-02	3/8"-16	Double Nuts SS	Nylon	Yes	Red
PTB-38A-02	3/8"-16	Double Nuts SS	Nylon	Yes	Black
PTR-38A-05	3/8"-16	Flange Nuts SS	Nylon	No	Red
PTB-38A-05	3/8"-16	Flange Nuts SS	Nylon	No	Black
C14-1003	N/A	Seal O-ring Blk	Nylon	-	Black
SC10-2000A-B008	N/A	Seal Nut Red	Nylon	-	Red
SC10-2000A-B001	N/A	Seal Nut Blk	Nylon	-	Black



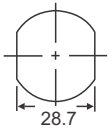
Overall Dimensions:
84H x 57 W x 49 D
Dimension in MM

Voltage: 58VDC
Rating: 400A (2/0 or larger wire).
Torque Rating: Body-Locknut 10 foot lbs.
Body: Nylon 66,
Conductive Core: 110 Copper.
Studs: Stainless Steel (SS).
Grade: Commercial & Military.
Mounting Nut & Hardware: See above.
Options: Custom configuration, contact sales.

O-Ring Seal
Ø 38.2



Panel Cutout
Ø 33.4





RELATED PRODUCTS:



O-Ring Seal IP67 Black



Seal Nut IP67 Red



Seal Nut IP67 Black



Flange Nut

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HEAVY DUTY BATTERY FEEDER STUDS 1/2"

GEP POWER PRODUCTS

NEW

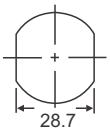
58V

MIL-STD

Features:
- Military grade, heavy duty power feed for applications through firewalls or bulkhead.
- Higher electrical rating and lower resistance due to a larger cross sectional area and the utilization of a higher conductive material.
- Increased installation torque values resulting from our unique manufacturing design and stud material choice.

Part Number	Description	
PTR-12B-02	1/2"-13 Stud, Red Body & 2 x Red Caps	
PTB-12B-02	1/2"-13 Stud, Black Body & 2 x Black Caps	
C14-1003	Pass Thru Seal Black	

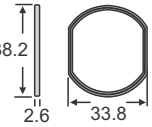
Panel Cutout
Ø 33.4



Dimension in MM

Voltage: 58VDC **Rating:** 500A (4/0 or larger wire)
Grade: Commercial & Military
Torque Rating: Retaining nut-40 foot lbs.
Locknut-10 foot lbs.
Conductive Core: Copper.
Studs: Stainless Steel.
Body: Nylon 66. **Caps:** PVC
Mounting Locknut: 1.5" Nylon 66.
Hardware: 2 x 1/2"-13 Double Nuts Zinc Plated Steel.
Options: Steel Locknuts & Serrated Flange Nuts.
Approvals: RoHS

O-Ring Seal
Ø 38.2





PTR-12B-02



Overall Dimensions:
86 H x 57 W x 44 D (mm)

MAXIMUM DUTY BATTERY FEEDER STUDS 1/2"

GEP POWER PRODUCTS

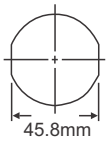
NEW

58V

Features:
- Commercial grade maximum duty power feed for high current applications through firewalls or bulkhead.
- Higher electrical rating and lower resistance due to a larger cross sectional area and the utilization of a higher conductive material.
- Increased installation torque values resulting from our unique manufacturing design and stud material choice.

Part Number	Description	
PTR-12C-01	1/2"-13 Stud, Red Body & 2 x Red Caps	
PTB-12C-01	1/2"-13 Stud, Black Body & 2 x Black Caps	

Panel Cutout
Ø 48.3mm



Voltage: 58VDC **Rating:** 1000A (500 MCM wire)
Grade: Commercial
Torque Rating: Locknut-10 foot lbs.
Conductive Core: 110 Copper.
Studs: Stainless Steel.
Body: Nylon 66 **Caps:** PVC
Mounting Locknut: 2.125" Nylon 66.
Hardware: 2 x 1/2"-13 Flange Nut Zinc Plated Steel.
Options: Steel Locknuts.
Approvals: RoHS



PTR-12C-01



PTB-12C-01



Overall Dimensions:
92 H x 93 W x 63 D (mm)

POWER DIST.

SINGLE & DUAL STUD TYPE JUNCTION BLOCKS

PROLEC

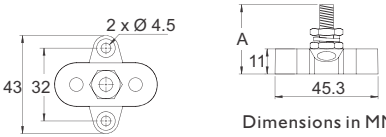
Heavy-duty ground or power connection points for DC circuits. Compact profile with insulated base. Ideal for creating a centralized power distribution or grounding point.

48V

Single Stud JBSM

Part Number	Body Colour	Stud Size	Stud Amp Rating	Height A (mm)
JBSM6B	Black	M6	100A	30
JBSM6R	Red	M6	100A	30
JBSM8B	Black	M8	200A	31
JBSM8R	Red	M8	200A	31
JBSM10B	Black	M10	300A	34
JBSM10R	Red	M10	300A	34





Dimensions in MM

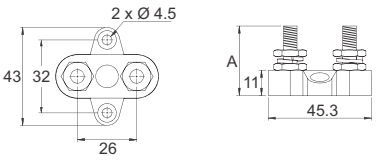
Voltage: 12-48VDC.
Body: Nylon, glass fibre reinforced.
Studs & Hardware: Stainless steel (included).

Dual Stud With Link Option JBDM / JBDBM

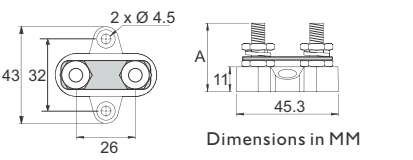
Dual Stud Part Number	Dual Stud With Link Part Number	Body Colour	Stud Size	Stud Amp Rating	Height A (mm)
JBDM6B	JBDBM6B	Black	2 x M6	100A	30
JBDM6R	JBDBM6R	Red	2 x M6	100A	30
JBDM8B	JBDBM8B	Black	2 x M8	200A	31
JBDM8R	JBDBM8R	Red	2 x M8	200A	31

Voltage: 12-48VDC.
Link Rating: 80A max.
Link Material: Nickel plated brass.
Body: Nylon, glass fibre reinforced.
Studs & Hardware: Stainless steel (included).









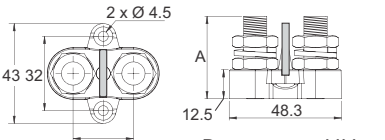
Dimensions in MM

Dual Stud With Stud Barrier JBDPM

Part Number	Body Colour	Stud Size	Stud Amp Rating	Height A (mm)
JBDPM8B	Black	2 x M8	100A	32.5
JBDPM10B	Black	2 x M10	200A	35.5
JBDPM810B	Black	1 x M8 + 1x M10	300A	35.5

Feature → Includes stud barrier.





Dimensions in MM

Voltage: 12-48VDC.
Body: Nylon, glass fibre reinforced.
Studs & Hardware: Stainless steel (included).
Notes: Provides a termination point for extending the length of harnesses or other conductors. Use dual entry cable insulators to protect from accidental short circuits.

POWER DIST.

PROLEC

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COMMON BUSBARS WITH COVER & LABELS

PROLEC

- Heavy-duty busbars for ground or power connection points for DC circuits.
- Ideal for creating a centralized power distribution or grounding point.
- Compact profile with insulated base.
- All common busbars include sticker set and mounting hardware.



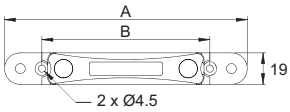
Mounting Hardware



Sticker Set

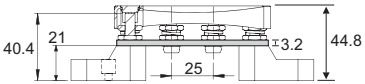
Single Row Busbar With M6 Studs

Part Number	Busbar Studs	Dimensions in MM A	B
BB4M6	4 x M6	146	101
BB6M6	6 x M6	206	161





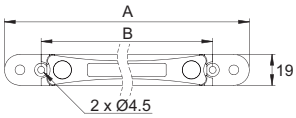
Voltage: 48VDC max. **Rating:** 100A
Body: Nylon, glass fibre reinforced.
Bus Material: Brass.
Studs & Hardware: Stainless steel (inc).
Cover: Transparent (included).





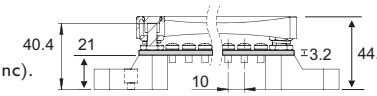
Single Row Busbar With M6 Studs & M4 Screws

Part Number	Busbar Screws	Dimensions in MM A	B
BB6M4	6 x M4	146	101
BB12M4	12 x M4	206	161





Voltage: 48VDC max. **Rating:** 150A
Body: Nylon, glass fibre reinforced.
Bus Material: Copper, Tin plated.
Studs: 2 x M6 (1/4")
Studs & Hardware: Stainless steel (inc).
Cover: Transparent (included).





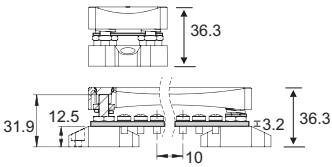
Dual Row Busbar With M6 Studs & M4 Screws

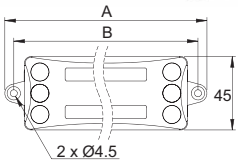
Part Number	Bus Bar	Busbar Screws	Dimensions in MM A	B
BBD6M4	Dual	2 x 6 x M4	118	107
BBD12M4	Dual	2 x 12 x M4	178	167





Voltage: 48VDC max. **Rating:** 150A
Body: Nylon, glass fibre reinforced.
Bus Material: Copper, Tin plated.
Studs: 4 x M6 (1/4")
Studs & Hardware: Stainless steel (inc).
Cover: Transparent (included).
Features: Removable connecting link to seperate or join the 2 bus bars.





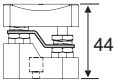
Dual Row Busbar Stepped With M6 Studs & M4 Screws

Part Number	Bus Bar	Busbar Screws	Dimensions in MM A	B
BBD6M4S	Dual	2 x 6 x M4	94	75
BBD12M4S	Dual	2 x 12 x M4	154	135

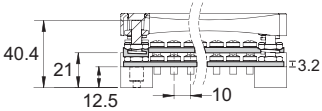


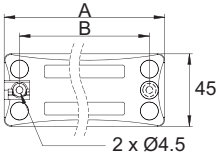


Voltage: 48VDC max. **Rating:** 150A
Body: Nylon, glass fibre reinforced.
Bus Material: Copper, Tin plated.
Studs: 4 x M6 (1/4")
Studs & Hardware: Stainless steel (inc).
Cover: Transparent (included).
Features: Stepped design, removable connecting 'Z' link to seperate or join the 2 bus bars.



Dimensions in MM





STUD TYPE JUNCTION BLOCKS - FEED THROUGH

Bussmann

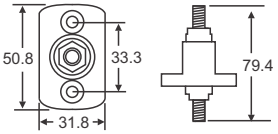
EV NEW

Feed-Through blocks are designed to be used on a firewall or panel.

Part Number	Body Colour	Amp Rating	Thread Size M	Torque Stud Max
C2201	Black	200A	5/16-18	11.3
C2202	Red	200A	5/16-18	11.3
C2203	Black	250A	3/8"-16	22.6
C2204	Red	250A	3/8"-16	22.6



Voltage: 1000VAC / 1000VDC
Body: Thermoplastic
Studs: Brass
Plating: Tin
Hardware: Flange nuts included.
Pack Size: 1, 10, 40



Dimensionsin MM

COMMON BUSBAR MAXIBUS 5/16" STUDS

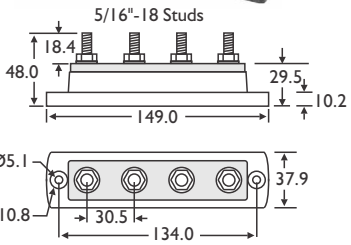
Littelfuse

NEW

Features:
- Heavy duty busbar terminal block.
- Insert-molded stainless steel studs.
- One-piece serrated flange nuts ensure correct and secure connection.



Part Number	Busbar Studs
880118	4 x 5/16"-18



Rating: 250A **Voltage:** 300VAC / 48VDC
Body: Black
Bus Material: Tin plated copper.
Studs: 5/16"-18 (M8) Stainless steel.
Recommended Terminals: 5/16" or M8 ring.
Hardware: Serrated flange nuts SS.
Mounting Holes: 5mm
Pack Size: 1, 10, 50, 100

Dimensionsin MM

COMMON BUSBAR POWERBUS 3/8" STUDS

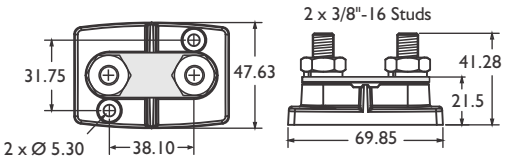
Littelfuse

NEW

Features:
- Compact heavy duty busbar terminal block.
- Insert-molded stainless steel studs.
- One-piece serrated flange nuts ensure correct and secure connection.



Part Number	Busbar Studs
880097	2 x 3/8"-16



Rating: 600A **Voltage:** 48V
Body: Glass reinforced polycarbonate
Bus Link: Tin plated copper.
Studs: 3/8"-16 (M10) Stainless steel.
Mounting Holes: #10 or M5 screws
Hardware: Stainless steel nuts & washers included.
Pack Size: 1, 10, 50, 100

Dimensionsin MM

POWER DIST.

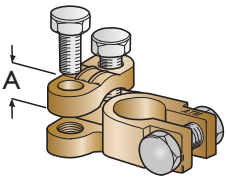
PROLEC
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BATTERY TERMINALS DIE CAST

These terminals are designed for connecting a cable to a standard DIN post type battery. Available in both positive and negative versions. Optional cover fits the positive terminals.

Part Number	Polarity & Symbol	Description	"A" Dimension
1506120	Positive (+)	Stud Terminal	M10 Stud
1506130	Negative (-)	Stud Terminal	M8 Stud
1506270	Positive (+)	Saddle Terminal	25 to 50mm²
1506280	Negative (-)	Saddle Terminal	25 to 50mm²

Terminal: Die cast brass
Terminal Hardware: Included
Pack Size: 1, 10



Saddle Terminal Dimension (A)



Stud Terminal with Wing Nut



Saddle Terminal Rear View



Saddle Terminal Top View

BATTERY TERMINALS STRIP TYPE

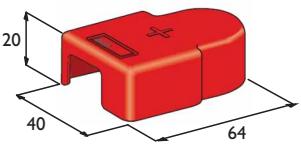
These terminals are designed for connecting a cable to a standard DIN post type battery. Available in both positive and negative versions. Optional cover fits the positive terminals.

Part Number	Polarity	Description & Colour	Cable Size
1506656	Negative	Terminal ■	10 to 20mm²
1506666	Negative	Terminal ■	25 to 40mm²
1506721	Positive	Terminal ■	10 to 20mm²
1506731	Positive	Terminal ■	25 to 40mm²
4410480	Positive	Cover ■	-

Terminal: Brass tin plated
Terminal Hardware: Steel zinc plated (M6)
Terminal Temperature Rating: -40°C to 120°C
Cover Material: PP
Pack Size: 1, 10



Positive Terminal Cover
4410480





Negative Terminal
(Black Band)



Positive Terminal
(Red Band)

POWER DIST.

BATTERY TERMINAL DISTRIBUTION QUICK LOCK - 3 WAY

These double ring terminals are designed for quick hand release battery terminal disconnection. Available in two versions, stud only and stud + crimp combination.

NEW

Part Number	Polarity & Symbol	3 Connection Options
1507956	Negative (-)	M6 stud, M6 stud, Cable 25 to 40mm²

Terminal: Brass tin plated
Terminal Hardware: Steel zinc plated (M6)
Pack Size: 1, 10



2x Stud & 1x Crimp

BATTERY TERMINAL DISTRIBUTION UNIT - 3 WAY

Features
- Battery Distribution Units (BDU) for Positive or Negative battery terminal.
- Simple connection to battery top post terminal.
- Double ring battery terminal connection. Positive 19mm / Negative 17mm.
- Two M6 studs and one M8 stud on the unit. Kit version includes terminals.
- Optional clip-on red colour protection cover, labelled with (+) symbol.

UPDATED

Part Number	Kit Contents
1507701K	3 Way Positive includes 3 x terminals & red cover. 1507701, 4510503, 2 x 1606770, 1606785
1507704K	3 Way Negative includes 3 x terminals (No cover). 1507704, 2 x 1606770, 1606785

Part Number	Individual component ordering
1507701	3 Way Positive battery distribution unit. (+)
4510503	Red Clip-on housing. Suit Positive BDU only. (+)
1507704	3 Way Negative battery distribution unit. (-)
1606770	M6 Screw 90 degree terminal 10-20mm².
1606785	M8 Screw 90 degree terminal 25-40mm².

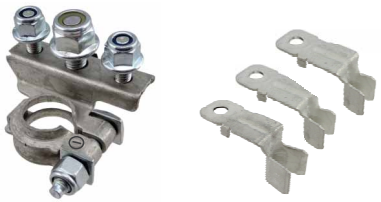


BDU with Terminals Fitted

(+) BDU Kit
1507701K

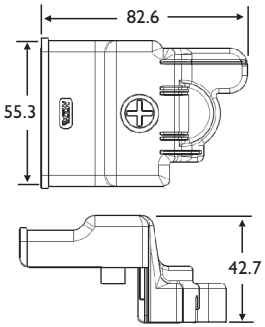


(-) BDU Kit
1507704K



Red Clip-on Housing

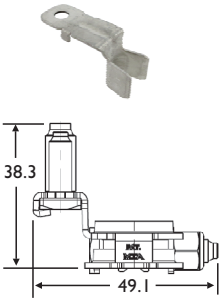




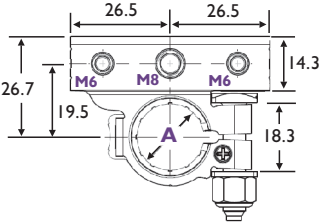
Terminal 1606770
M6 hole 10-20mm²



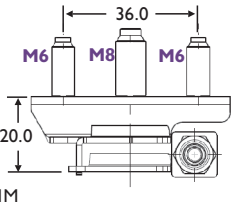
Terminal 1606785
M8 hole 25-40mm²



Battery Distribution Unit



(+) Positive Terminal 'A' = 19mm
(-) Negative Terminal 'A' = 17mm



Dimensions in MM

POWER DIST.

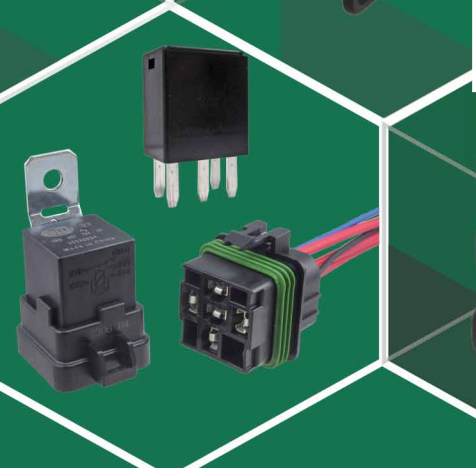
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Relays, Switches, Breaker Panels & Tools

Designed for the application.











Relays	Page
280 Relays; Ultra Micro, Micro & Mini	164 - 165
ISO Flasher Relays ; LED Flasher Relays	165
ISO Relays; Micro, Mini	166
ISO Relays; Mini with Metal Bracket / Skirt	167
ISO Fused Mini Relay with Metal Bracket	167
ISO Relays; Maxi and Power Relays	168
SD / HD Bi-Stable Relay with Aux. Contacts	169

Relay Connectors / Sockets	Page
ISO Relay Holder; Micro, Mini, Maxi	170 - 171
Auto Fuse Holder (Connects with Relay Holder)	170
ISO Relay Connector; Mini	171
ISO Relay Weatherproof Connector; Mini Skirted	172

Switches & Panels	Page
Circuit Breaker / Switch Panels (4 & 6 Way)	173
Circuit Breaker Panels (12 Way)	173
Carling Switches & Panel Mount Brackets	174
Carling Switches & Mounting Panels (4/6/8 Way)	175

Battery Disconnect Switches	Page
Battery Disconnect Terminal Switches	176
Battery Disconnect Switch with Circuit Breaker	176
Battery Disconnect Emergency Switch	177
Battery Disconnect SPST & DPST	178 - 183

Terminal Tools	Page
Terminal Crimp Tools	184 - 186
Terminal Removal Tools	186

Terminated & Sealed Cables	Page
Terminated Sealed Cables & Jumpers	186

Terminals	Page
Terminal, Cable Seal and Cavity Plug Kits	187
Terminals Insulated Disconnects	188
Insulated Butt Splice	188
Uninsulated Tubular Ring Terminals	188

ULTRA MICRO 280 RELAYS - 303 SERIES

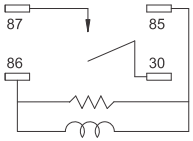
Part Number	Voltage	Contact Action	Ampere Rating N/O	N/C	Terminals	Protection	Bracket
3031AHCR112	12V	SPST	20A	-	4 x 2.8mm	½W 1.1KΩ resistor	No
3031AHCR124	24V	SPST	10A	-	4 x 2.8mm	½W 4.3KΩ resistor	No

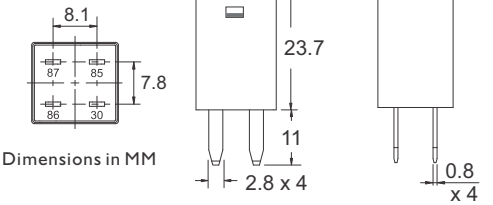


Contact Rating (Motor /Lamp) N/O: 16A (14VDC), In-rush 80A
Coil Current: 80mA (12V), 40mA (24V)
Coil Resistance: 150Ω (12V), 600Ω (24V)
Contact Voltage Drop: Typ. 50mV at 10A
Contact Material: Silver Tin Oxide alloy (AgSno)
Operate / Release Time: 10ms max. / 10ms max.
Enclosure: flux tight seal.
Temperature: -40 to +125°C (no freezing)
Mechanical Life Expectancy: 10 million operations.
Pack Size: 1pc, 10pcs, 100pcs, 500pcs.
Options: Sealed washable enclosure. Diode protection.
Suits Power Distribution Modules: Pages 120 - 128, 138-144.
Approval: ELV-2000/53/EC RoHS

Terminal Size
2.8mm

3031AHCR1 series



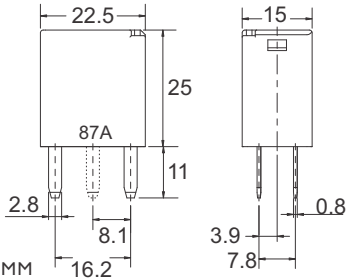


Dimensions in MM

MICRO 280 RELAYS - 301 SERIES

Part Number	Voltage	Contact Action	Ampere Rating N/O	N/C	Terminals	Protection	Bracket
3011ACR112	12V	SPST	35A	-	4 x 2.8mm	½W 680Ω resistor	No
3011CCR112	12V	SPDT	35A	20A	5 x 2.8mm	½W 680Ω resistor	No
3011ACR124	24V	SPST	15A	-	4 x 2.8mm	½W 2700Ω resistor	No
3011CCR124	24V	SPDT	15A	10A	5 x 2.8mm	½W 2700Ω resistor	No

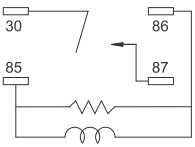
Coil Current: 97.5mA (12V), 49.6mA (24V)
Coil Resistance: 123Ω (12V), 483Ω (24V)
Contact Voltage Drop: Typ. 40mV at 10A
Contact Material: Silver Tin Oxide alloy (AgSno)
Operate / Release Time: 10ms max. / 10ms max.
Enclosure: flux tight seal.
Temperature: -40 to +125°C (no freezing)
Mechanical Life Expectancy: 10 million operations.
Pack Size: 1pc, 10pcs, 100pcs, 500pcs.
Options: Sealed washable / Dust cover enclosure. Diode protection.
Suits Power Distribution Modules: Pages 120 - 135, 138-146.
Approval: ELV-200/53/EC RoHS



Dimensions in MM

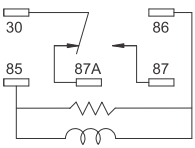
Terminal Size
2.8mm

3011ACR1 series





3011CCR1 series





RELAY + SWITCH

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STANDARD FLASHER RELAYS

Bussmann

These flashers work with standard bulbs and rely on electronic circuitry (not heat) to operate ensuring excellent performance in extreme climates. Flashes at twice the normal speed to indicate lamp outage, and features an audible click when engaged.

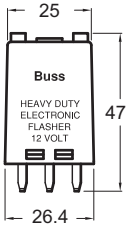
NO.761



Part Number	Flasher Type	Terminals	Electrical Rating	Number of Bulbs
NO.761	H-D Electronic	3 x 2.8mm	12.6A at 12VDC	2 to 4
NO.762	H-D Electronic	4 x 2.8mm	12.6A at 12VDC	3 to 6

Terminal Size
2.8mm

Dimensions in MM



Scan this QR Code for more information

QR Code: 9024

LED FLASHER RELAYS

Bussmann

The LED flashers should always be used with LED turn signals because they require less current. Using traditional thermal / mechanical flashers for LEDs will cause erratic operation by flashing too fast or too slow.



Part Number	Terminals	Electrical Rating	Number of Bulbs
NO-727-LED	5 x 6.3mm	12.6A at 12.8VDC	2 to 4
NO-758-LED	3 x 6.3mm	12.6A at 12.8VDC	2 to 6
NO-759-LED	3 x 6.3mm	12.6A at 12.8VDC	2 to 6
NO-760-LED	3 x 6.3mm	12.6A at 12.8VDC	2 to 4

Terminal Sizes
6.3mm

NO-758 (6.3mm Pins)

Scan this QR Code for more information

QR Code: 9023

EXTENDED RANGE RELAYS, CONTACTORS, BDS

GE JBE · SONG CHUAN · RINCONPOWER Products For An Electrified Future

An extended product range of automotive relays is also available for low voltage, medium voltage and high voltage applications. Terminal types include PCB mount, quick connect and threaded studs. Please contact sales if you require any further information on some of our extended relay products.



Relay Type	Ampere Range	Voltage
• VSR Relays (Voltage Sensitive)	80A - 140A	12VDC - 24VDC
• Timer / Multitimer Relays	Up to 50A	12VDC - 24VDC
• PCB Relays	5A - 40A	12VDC - 24VDC
• High Power Relays	70A - 200A	24VDC
• Medium Voltage Relays	5A-150A	48VDC -160VDC
• High Voltage Relays	6A-120A	400VDC -600VDC

Contactor Type	Ampere Range	Voltage
• Bi-directional Switching	500A - 600A	1000VDC
• Polarised Switching	150A - 500A	1000VDC
• Bi-directional	50A - 500A	1500VDC
• Bi-directional Switching	250A - 1000A	1500VDC
• Bi-directional Switching	1200A	2500VDC
• Polarised	60A	1500VDC

Manual Switch Type	Ampere Range	Voltage
• Battery Disconnect Switch	300A - 800A	1500VDC



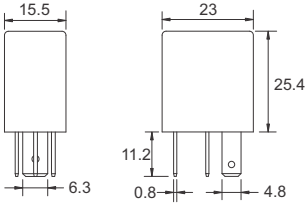


RELAY + SWITCH

MICRO ISO RELAYS 871 SERIES

Part Number	Volt	Contact Action	Ampere Rating N/O	N/C	Terminals	Protection	Bracket	Enclosure
8711ACR112	12V	SPST	35A	-	2x 4.8mm, 2x 6.3mm	½W 680Ω resistor	No	Flux Tight
8711CCR112	12V	SPDT	35A	20A	3x 4.8mm, 2x 6.3mm	½W 680Ω resistor	No	Flux Tight
8711ACR124	24V	SPST	15A	-	2x 4.8mm, 2x 6.3mm	½W 2700Ω resistor	No	Flux Tight
8711CCR124	24V	SPDT	15A	10A	3x 4.8mm, 2x 6.3mm	½W 2700Ω resistor	No	Flux Tight

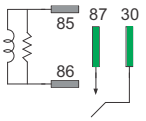
Coil Current: 97.5mA (12V), 49.6mA (24V)
Coil Resistance: 123Ω (12V), 483Ω (24V)
Contact Voltage Drop: Typ. 40mV at 10A
Contact Material: Silver Tin Oxide alloy (AgSno)
Operate / Release Time: 10ms max. / 10ms max.
Enclosure: Flux tight.
Temperature: -40 to +125°C (no freezing)
Mechanical Life Expectancy: 10 million operations.
Pack Size: 1pc, 10pcs, 100pcs, 500pcs.
Options: Sealed Washable / Dust cover enclosure.
Diode protection. RoHS
Approval: ELV-2000/53/EC
Suits Holders & Blocks: Pages 137-138, 170.



Dimensions in MM

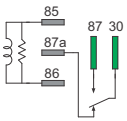
Terminal Sizes
4.8mm
6.3mm (1/4")

8711ACR1 series





8711CCR1 series



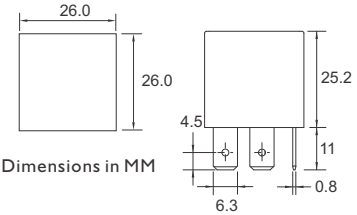


MINI ISO RELAYS 896H SERIES

Part Number	Volt	Contact Action	Ampere Rating N/O	N/C	Terminals	Protection	Bracket	Enclosure
896H1AHCR112	12V	SPST	50A	-	4 x 6.3mm	½W 680Ω resistor	No	Flux Tight
896H1CHCR112	12V	SPDT	50A	30A	5 x 6.3mm	½W 680Ω resistor	No	Flux Tight
896H2AHCR112	12V	DPST	2 x 30A	-	5 x 6.3mm	½W 680Ω resistor	No	Flux Tight
896H1AHCR124	24V	SPST	20A	-	4 x 6.3mm	½W 2700Ω resistor	No	Flux Tight
896H1CHCR124	24V	SPDT	20A	15A	5 x 6.3mm	½W 2700Ω resistor	No	Flux Tight
896H2AHCR124	24V	DPST	2 x 10A	-	5 x 6.3mm	½W 2700Ω resistor	No	Flux Tight NEW

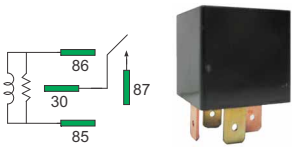
Coil Current: 133mA (12V), 66.7mA (24V)
Coil Resistance: 90Ω (12V), 360Ω (24V)
Contact Voltage Drop: Typ. 50mV at 10A
Contact Material: Silver Tin Oxide alloy (AgSno)
Operate / Release Time: 20ms max. / 20ms max.
Enclosure: Flux tight.
Temperature: -40 to +125°C (no freezing)
Mechanical Life Expectancy: 10 million operations.
Pack Size: 1pc, 10pcs, 100pcs, 400pcs, 1200pcs.
Options: Sealed Washable / Dust cover enclosure. Diode protection.
Approval: ELV-2000/53/EC RoHS
Suits Holders & Blocks: Pages 137-138, 170 - 172.

All Terminals
6.3mm (1/4")

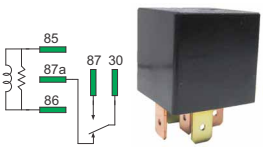


Dimensions in MM

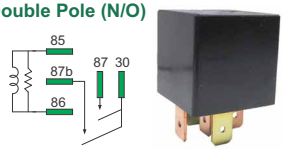
896H1AHCR1 series



896H1CHCR1 series



896H2AHCR1 series
Double Pole (N/O)



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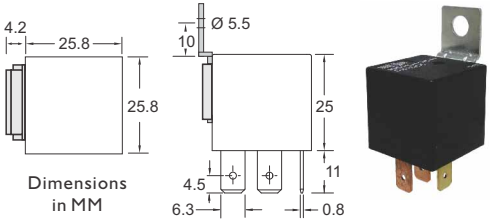
MINI ISO RELAYS WITH BRACKET 896H SERIES

NEW

SONG CHUAN

Part Number	Volt	Contact Action	Ampere Rating N/O	N/C	Terminals	Protection	Steel Bracket	Enclosure
896H1AHC1SR112	12V	SPST	50A	-	4 x 6.3mm	½W 680Ω resistor	Yes	Sealed
896H1CHC1SR112	12V	SPDT	50A	30A	5 x 6.3mm	½W 680Ω resistor	Yes	Sealed
896H1AHC1SR124	24V	SPST	20A	-	4 x 6.3mm	½W 2700Ω resistor	Yes	Sealed
896H1CHC1SR124	24V	SPDT	20A	15A	5 x 6.3mm	½W 2700Ω resistor	Yes	Sealed

Details: Refer 896H Series on page 166.
Pack Size: 1pc, 10pcs, 100pcs, 400pcs.
Approval: ELV-2000/53/EC RoHS
Notes: Steel bracket is removable.



Dimensions in MM

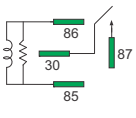
Sealed Relay with Steel Bracket

RELATED PRODUCTS:

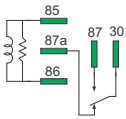


Relay Connectors
(see p.171)

4 Pin SPST



5 Pin SPDT

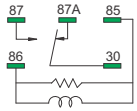


MINI ISO SKIRTED RELAYS WITH BRACKET 896H SERIES

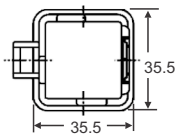
IP66 NEW SONG CHUAN

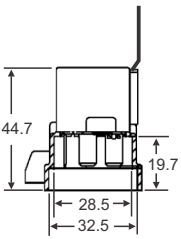
Part Number	Volt	Contact Action	Ampere Rating N/O	N/C	Terminals	Protection	Steel Bracket	Waterproof Enclosure
896H1CHD1SWR112	12V	SPDT	50A	30A	5 x 6.3mm	½W 680Ω resistor	Yes	Skirted
896H1CHD1SWR124	24V	SPDT	20A	15A	5 x 6.3mm	½W 2700Ω resistor	Yes	Skirted

Relay Circuit Diagram

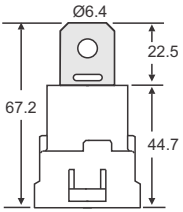


All Terminals
6.3mm (1/4")





Dimensions in MM





Skirted Relay with Removable Steel Bracket

RELATED PRODUCT:



Sealed Relay Connector
(see p.172)

MINI ISO RELAYS WITH FUSE, FUSE COVER & BRACKET

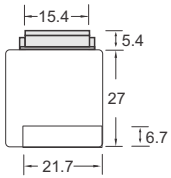
IP65 NEW GEBE

Part Number	Volt	Contact Action	Ampere Rating N/O	N/C	Terminals	Protection	Suits Fuse. **Not Included**	Steel Bracket	Fuse Cover
995850	12V	SPST	30A	-	4 x 6.3mm	resistor	1A to 30A	Yes	Yes
995870	24V	SPST	15A	-	4 x 6.3mm	resistor	1A to 15A	Yes	Yes

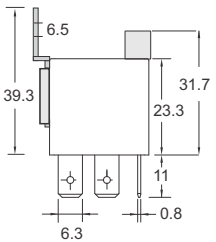
RELATED PRODUCTS:



Auto & LED Auto Fuses
(see p.17)



Dimensions in MM





Clear Fuse Cover and Steel Bracket are Both Removable

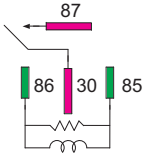
MAXI ISO RELAYS 897 SERIES

Part Number	Volt	Contact Action	Ampere Rating N/O	N/C	Terminals	Protection	Bracket	
8971AHCR112	12V	SPST	70A	-	2x 6.3mm, 2x 9.5mm	½W 680Ω resistor	-	
8971AHC1SR112	12V	SPST	70A	-	2x 6.3mm, 2x 9.5mm	½W 680Ω resistor	Metal	NEW
8971AHCR124	24V	SPST	25A	-	2x 6.3mm, 2x 9.5mm	½W 2700Ω resistor	-	
8971AHC1SR124	24V	SPST	25A	-	2x 6.3mm, 2x 9.5mm	½W 2700Ω resistor	Metal	NEW

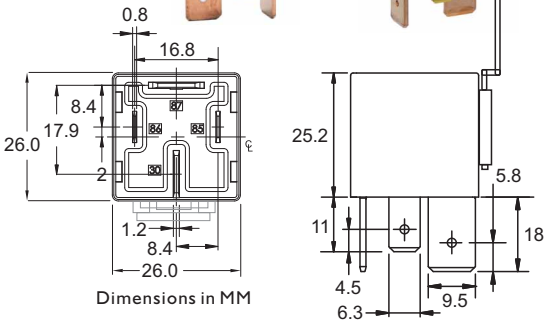
Coil Current: 133mA (12V), 66.7mA (24V)
Coil Resistance: 90Ω (12V), 360Ω (24V)
Contact Voltage Drop: Typ. 30mV at 10A
Contact Material: Silver Tin Oxide alloy (AgSno)
Operate / Release Time: 20ms max. / 20ms max.
Enclosure: Flux Type.
Temperature: -40 to +125°C (no freezing)
Mechanical Life Expectancy: 10 million operations.
Options: Sealed type washable, dust cover & diode protection.
Pack Size: 1pc, 10pcs, 100pcs, 400pcs.
Suits Holders & Blocks: Pa[RoHS]38, 170 - 171.
Approval: ELV-2000/53/EC



Relay Circuit Diagram



Terminal Sizes
6.3mm (1/4")
9.5mm (3/8")



Dimensions in MM

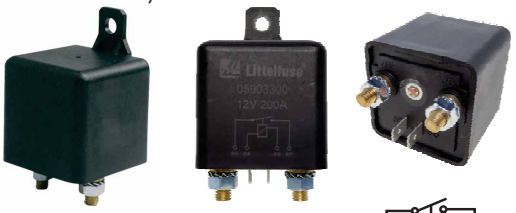
POWER RELAYS 0590 SERIES

Littelfuse

IP54

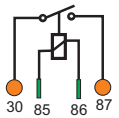
These Power Relays can switch high power loads on/off to electrical accessories using a separate remote switch and well suited for use in commercial vehicles and heavy trucks.

Features:
- SPST Power Relays
- Commonly used as a starter, with intermittent action.
- Ingress Protected Rating IP54.
- Silver plated contacts.
- 2 x M6 studs and 2 x 1/4" (6.35mm) Quick Connects.

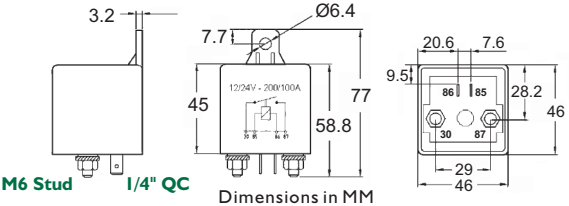


Part Number	Volt	Contact Action	Ampere Rating	Terminals
05903300	12V	SPST NO	200A	2x 6.3mm Q.C, 2x M6
05903500	24V	SPST NO	100A	2x 6.3mm Q.C, 2x M6

Terminal Sizes
6.3mm QC
M6 stud



Contact Material: Silver Plated Copper
Input / Output Terminals: M6
Intermittent Current (12V): 500A @ 1 sec
Intermittent Current (24V): 250A @ 1 sec
Hardware: Brass contact nuts
Mounting Torque: 2 - 2.8 Nm
Contact Torque: 3 - 4.5 Nm
Housing: Nylon 66
Temperature: -40 to +100°C
Pack Size: 1, 2, 10, 36.
Notes: *Continuous current load 120A max.



M6 Stud 1/4" QC
Dimensions in MM

PROLEC

Email: info@prolecproducts.com.au
Web: www.prolecproducts.com.au

HIGH CURRENT BISTABLE LATCHING RELAY WITH AUXILIARY

Littelfuse

NEW

IP66

IP69K

The SD series relay provides remote power switching for applications that require high continuous current passage, large engine starting needs and high ambient temperatures. Relay switching is controlled via a plug-in connector (with small cables) to switch 1 or 2 high amp circuits. The 2 pole version suits dual battery configurations.The SD series relay helps reduce your costs and saves weight by positioning the relay close to the battery and high current loads to reduce heavy copper cable routing.
Applications; Heavy Duty Trucks and Lifting Equipment, Construction & Agricultural Equipment.



Features:

- Compact footprint saves space in your installation.
- Supports US DOT 11579 and EU ADR requirements for hazmat vehicle compliance.
- Plug-in connector controls relay switching and provides additional circuits and features.
- Dedicated 24-hour output to power your tachograph or other keep-alive functions.
- Local and remote indication of the state of the relay.
- Bi-stable internal mechanism draw no current in the on or off state saving your batteries voltage supply.

Part Number	Switch Circuit	No. Poles	Control Voltage	Contact Voltage	Continuous Rating	Inrush Current
880103	SPST	Single	9V - 16V	9V - 32V	600A	2000A x 30sec., 3000A x 1sec.
880107	DPST	Double	12V - 24V	9V - 32V	600A (2 x 300A)	1000A x 30sec., 2000A x 1sec.

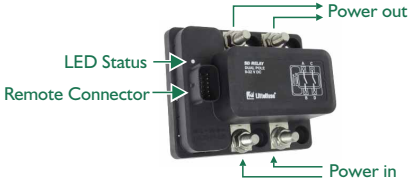
Scan this QR Code for more information

QR Code: 12001



NEW

12 Way Female Sealed Connector Kit (P/N: MX150FK12)



HD BI-STABLE RELAY WITH AUXILIARY CONTACTS

Littelfuse

NEW

IGNITION PROTECTED

IP67

IP69K

The HD Series Bi-Stable Relay is designed to supply high continuous current to electrical accessories on a vehicle eg. large invertor loads. It is designed for use in harsh weather, high shock and vibration environments as well as high ambient temperatures. The HD Relay is controlled using a remote switch that is connected to the relay via small gauge cable. The HD Relay delivers high performance in a compact size, perfect for heavy-duty vehicles, lifting, construction & agriculture equipment, military vehicles etc.

Features:

- Remotely-operated device eliminates long runs of heavy cable, minimizes cabling complexity, cost and weight.
- Bi-stable (latched) operation draws no current in On or Off. Eliminates a continuous demand on the batteries.
- Silver alloy contact assure the lowest voltage drop / resistance and extends cycling life of the device.
- Stainless steel hardware and tin-plated copper contacts maximize resistance in harsh environments.
- Eliminates routing of heavy gauge cables to user-accessible mechanical disconnect switches, lowering system costs.
- LED output wire enables remote indication of relay status – Open or Closed.
- Supports high-amp intermittent or continuous current loads.
- Switch illuminated. Actuator red. Text white. IP67. Includes panel seal.



Part Number	Description	Voltage	Continuous Rating	Connector
880086	Relay Module	9-16V	300A	Deutsch 6 Pos DTM
880088	Relay Module	18-32V	300A	Deutsch 6 Pos DTM
880092	Switch SPDT	16V, 32V	20A (On)-Off-(On)	1/4" (6.35mm) QC

Scan this QR Code for more information

QR Code: 12002



Illuminated Remote Control Switch (P/N: 880092)

Panel Cut Out
36.9 x 21mm

RELAY + SWITCH

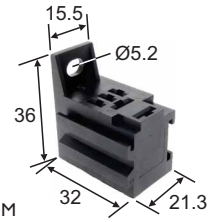
MICRO RELAY HOLDER KIT (4 OR 5 PIN)

Part Number
990401K

Micro Relay Kit includes;
1 x Micro relay holder with bracket mount
3 x Terminals 0.5-1.0mm² (F4.8mm)
2 x Terminals 1-2.5mm² (F6.3mm)



RELATED PRODUCTS: **ISO Micro Relays** (see page 166)



Dimensions in MM



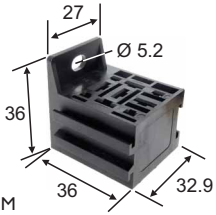
MINI RELAY HOLDER KIT (4 OR 5 PIN)

Part Number
99042IK

Mini Relay Kit includes;
1 x Mini relay holder with bracket mount
5 x Terminals 1-2.5mm² (F6.3mm)



RELATED PRODUCTS: **ISO Mini Relays** (see page 166)



Dimensions in MM



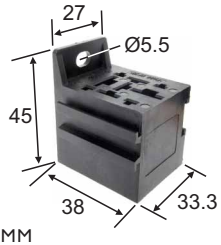
MAXI RELAY HOLDER KIT (4 PIN)

Part Number
99041IK

Maxi Relay Kit includes;
1 x Maxi relay holder with bracket mount
2 x Terminals 1-2.5mm² (F6.3mm)
2 x Terminals 6-10mm² (F9.5mm)



RELATED PRODUCTS: **ISO Maxi Relays** (see page 168)



Dimensions in MM

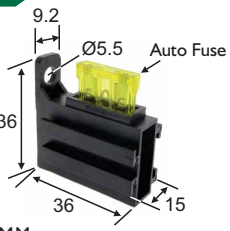


AUTO BLADE FUSE HOLDER KIT

Part Number
99043IK

Auto Fuse Kit includes;
1 x Auto fuse holder with bracket mount
2 x Terminals 2.0-3.0mm² (F6.3mm)

Voltage: 32VDC
Features: Gangable.
Options: Terminals 0.5-1.5mm² (F6.3mm).
Pack Size: 1, 10, 50, 100
Approvals: RoHS

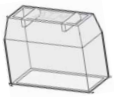


Dimensions in MM





RELATED PRODUCTS: **Auto Fuses** (see page 17)



Fuse Cover 00359 (see page 68)



Slide lock fuse holders and relay connectors to create a mini power distribution centre.

RELAY + SWITCH

PROLEC
Email: info@prolecproducts.com.au
Web: www.prolecproducts.com.au

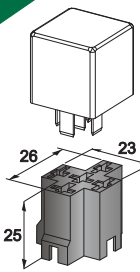
MINI RELAY CONNECTOR KIT (4 OR 5 PIN)

Part Number	Description
10246K	Mini Relay Socket Connector Kit includes; 1 x 10246 (Mini relay connector) 5 x 01650BK (Terminals 1-2.5mm², F6.3mm)

Voltage: 32VDC
Pack Size: 1, 10, 100
Approvals: RoHS



RELATED PRODUCTS:
ISO Mini Relays see page 166



Dimensions in MM





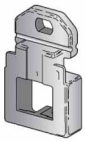
MINI RELAY HOLDER KIT (4 OR 5 PIN)

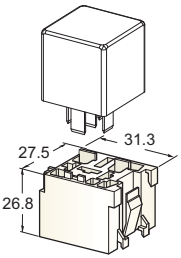
Part Number	Description
50135K	Mini Relay Holder Kit includes; 1 x 10245 (Mini relay holder) 1 x 00430 (Fixing plate single screw) 5 x 01650BK (Terminals 1-2.5mm², F6.3mm)

Voltage: 32VDC
Pack Size: 1, 10
Features: Gangable.
Approvals: RoHS



RELATED PRODUCTS:
ISO Mini Relays see page 166


Fixing Plate



Dimensions in MM





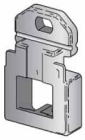
MAXI RELAY HOLDER KIT (4 PIN)

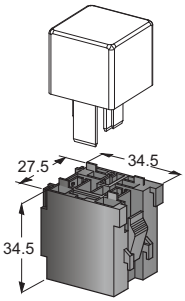
Part Number	Description
50136K	Maxi Relay Holder Kit includes; 1 x 10247 (Maxi relay holder) 1 x 00430 (Fixing plate single screw) 2 x 07000BK (Terminals 0.5-1.5mm² F6.3mm) 2 x 01720BK (Terminals 6-10mm² F9.5mm)

Voltage: 32VDC
Pack Size: 1, 10
Features: Gangable.
Approvals: RoHS



RELATED PRODUCTS:
ISO Maxi Relays see page 168


Fixing Plate



Dimensions in MM





Many of MTA's products feature a snap lock wall design. This allows products to be expanded or combined. Use this clever feature to create your own custom combination of fuses and relays.


Snap Mount Fixing Plate
(see p.78-79)


Screw Mount Fixing Plate
(see p.78-79)


Slide Lock M & F Bolt Down Brackets
(see p.78-79)


Slide Lock Fuse Holders
(see p.78-79)


Slide Lock Relay Holders
(as above)


Lateral Lock To Modules
(see p.137 & 141)

MINI RELAY SEALED CONNECTOR (4 OR 5 PIN)

GEP POWER PRODUCTS

IP66 NEW 58V

The Series PTSR-X Push-to-Seat sealed relay connector is specifically designed to accept standard Mini ISO skirted relays, Delphi 630 Metri-Pack terminals and 480 Metri-Pack seals. This uniquely designed sealed unit features a Push-to-Seat connection system. Terminals are crimped to cable, then pushed into base of unit. This eliminates the costly labor intensive "5 step" pull-to-seat assembly approach required by other connectors.

Features:
- Sealed, Ingress Protection Rated IP66.
- Labor saving "Push to Seat" connection system.
- Molded in rugged polyester thermoplastic material.
- Finger release latch.
- Accepts any wire size, in any cavity using Aptive 630 Metri-Pack sealed push to seat terminals together with 480 Metri-Pack seals.

Connector shown assembled with skirted mini ISO relay.



Part Number	Kit Contents:
PTSR-KIT	1 x Connector with Seal Assembly 1 x Blue TPA Term. Pos. Assurance 2 x Terminals (20-18AWG) 2 x Yellow Seals (18AWG) 3 x Terminals (12-10AWG) 3 x Orange Seals (10AWG) 1 x Cavity Plug Grey



PTSR-KIT Connector Kit



PTSR-A Connector

Part Number	Description
PTSR-A	Connector with Red Silicon Seal Assembly.
PTSR-T	Terminal Position Assurance (TPA) Blue Nylon.
15317331	Terminal Female Sealed Tin (10AWG) 4.0 - 6.0mm^2
12052456	Terminal Female Sealed Tin (12-10AWG) 3.0 - 5.0mm^2
12052455	Terminal Female Sealed Tin (16-14AWG) 1.0 - 2.0mm^2
12052457	Terminal Female Sealed Tin (20-18AWG) 0.5 - 0.8mm^2
15324987	Cable Seal Orange (10AWG) 4.40 - 5.16mm Cable Dia.
15324990	Cable Seal Purple (12AWG) 3.61 - 4.50mm Cable Dia.
15324989	Cable Seal Red (14AWG) 2.81 - 3.76mm Cable Dia.
15324988	Cable Seal White (16AWG) 2.01 - 2.85mm Cable Dia.
15324991	Cable Seal Yellow (18AWG) 1.60 - 2.15mm Cable Dia.
35232480	Cavity Plug Grey 9.05mm Diameter



PTSR-T TPA



Terminals

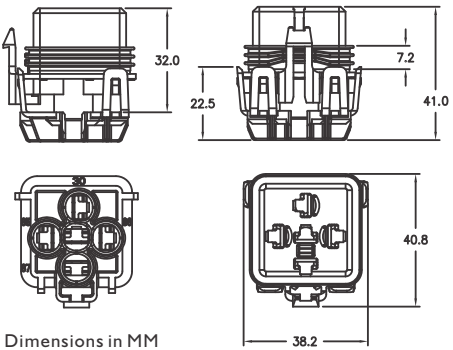


Cable Seals



Cavity Plug

Voltage: 58VDC
Base Material: Polyester thermoplastic
Seal Material: Silicon
TPA Material: Nylon
Terminals: Tin Plated Brass Metri-Pack 630.
Cable Seals & Cavity Plug: Silicone.
Pack Size: 1, 10, 100, 500
Approvals: RoHS



Dimensions in MM

RELATED PRODUCTS:



Mini ISO Skirted Relay With Bracket
896H1CHD1SWR Series
12V and 24V SPDT (see p.167)

RELAY + SWITCH

PROLEC

Email: info@prolecproducts.com.au
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CIRCUIT BREAKER / SWITCH PANELS

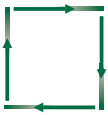
Prolec offer a range of three standard black powder coated panels that can accommodate either 4 or 6 of the Series 24 switches or switchable circuit breakers. These panels can be mounted either vertically or horizontally.



PROPNL24S4WB

Features

- Australian designed and manufactured..
- Panels can be mounted either vertically or horizontally.
- Quick assembly. Snap mount components include switch or circuit breaker.
- Mount via 4 x 4mm holes. Black pan head screws included.
- Strong panel is 2mm aluminum black powder coated.
- 4 Way mounting orientation.









PROPNL24S6WB

Part Number	Description
PROPNL24S4WB	4 Positions Panel (130mm x 100mm)
PROPNL24S6WB	6 Positions Panel (190mm x 100mm)
24HP2151	Breaker Switch Hole Plug Blank NEW



24HP2151

Custom Panels

Prolec can create custom panels and labelling to suit any components or layout. Custom panels can be produced in a variety of materials, thicknesses and labelled with your own design & branding. Contact sales for further information.



Example of a 6 Way Custom Panel

RELATED PRODUCTS:



2410-100 Series
(See p.55)



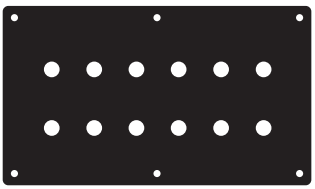
2410-102 Series
(See p.55)



Alternative Switch or Switch Circuit Breaker Options

CIRCUIT BREAKER PUSH TO RESET DISTRIBUTION PANEL

Prolec now offers a new Australian designed and made range of standard blank black powder coated panels that suit the Series 14, 15 and 16 panel mount manual reset circuit breakers. These panels can be mounted either vertically or horizontally. Adhesive stickers can be added to the panel or it can be custom screen printed or a full colour branded label can be fitted over the entire panel. Circuit breaker thread size 3/8"-27. Components are screw mount. Electrical connection options are quick connect or screw terminal. Includes mounting hardware black counter sunk screws. Circuit breakers are not included.



PROPNL14S12WB



Part Number	Description
PROPNL14S12WB	12 Position Blank Panel (185mm x 110mm)
14HP38	Circuit Breaker Hole Plug 3/8" (9.5mm)

RELATED PRODUCTS:

Circuit breakers page 54
(Bushing specification 3/8"-27)
Circuit breaker boots page 54



Circuit Breaker



Hole Plug



Boot



Example of a loaded breaker panel.

ROCKER SWITCHES, ACTUATORS & BRACKETS CONTURA II

Carling Technologies
Innovative Designs, Powerful Solutions.

Switch Units

Part Number	Switch Type	Switching*	LED Indication	Rating	1/4" QC's
V1D1001	SPST	On / Off	Blue Backlight / Green On	12VDC, 20A	4
V2D1001	SPST	(On) / Off	Blue Backlight	12VDC, 20A	4
V8D1001	SPDT	(On) / Off / (On)	Blue Backlight	12VDC, 20A	4

*(ON) = Momentary switch, must be held in ON position.

IGNITION PROTECTED
IP66
IP68

Switch Actuators Contura II

Part Number	Actuator Type	Marking
VAAC001	Square & Bar Lens	(No Marking)
VAAC002	Square & Bar Lens	Air Compressor
VAAC003	Square & Bar Lens	Front Locker
VAAC004	Square & Bar Lens	Rear Locker
VAAC005	Square & Bar Lens	Fog Lights
VAAC006	Square & Bar Lens	Driving Lights
VAAC007	Square & Bar Lens	Reverse Lights
VAAC008	Square & Bar Lens	Interior Light
VAAC009	Square & Bar Lens	Roof Lights
VAAC010	Square & Bar Lens	LED Light Bar
VAAC011	Square & Bar Lens	Work Lights
VAAC012	Square & Bar Lens	Accessories
VAAC013	Square & Bar Lens	Winch Isolator
VAAC014	Square & Bar Lens	Fuel Transfer
VAAC015	Square & Bar Lens	Auxiliary Lights
VAAC016	Square & Bar Lens	Auxiliary Battery
VAAC017	Square & Bar Lens	Power
VAAC018	Square & Bar Lens	12V Outlet
VAAC019	Square & Bar Lens	Battery Parallel
VA9C002	Square Lens Only	Winch
VA9C003	Square Lens Only	Horn
VVPZC00-000	Laser Etch White	Blank / Custom

Black symbol on white translucent lens with special blue LED.



Mounting Panel Brackets & Accessories

Part Number	Accessory Description	
VMS01	Stand-alone Mounting Panel Bracket. No Further Parts Required.	
VMM01	Modular Mounting Panel Bracket (Middle Unit), Requires Ends.	
VME01	Modular Mounting Panel Bracket (End Unit), Reversible.	
VPS	Switch Unit Panel Seal.	
VCH01-K	Connector Kit - 8 x Female 1/4" QC Terminals 16-14AWG.	NEW
VHP01	Hole Plug, Snap Mount, Blank Insert.	NEW
VRT	Dual Purpose Removal Tool. Removes Actuator & Switch Body.	



3x Panels & Switches



VMS01 Stand Alone Panel



VMM01 Middle Panel



VME01 End Panel



VHP01 Hole Plug



VPS Switch Panel Seal

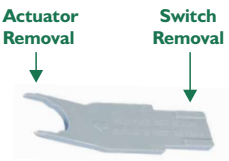


VCH01-K Connector Kit



2x VME01 + 1x VMM01 Assembled Panels Example

Actuator: Black, hard optical grade polycarbonate, Nylon 66 overlay.
Switch Housing: Thermoplastic polyester alloy, flame retardant.
Switch Mechanism: Brass roller pin eliminates need for lubricants.
Terminals: 1/4" Quick Connect, tin plated. **Contacts:** Silver plated.
Endurance: 50,000 to 100,000 electrical cycles.
Ignition Protected: Sealed construction. UL1500 / ISO8846, 94/25/EC.
Backlighting LED: Blue controlled intensity for even illumination.
Ingress Protection Rating: Dual seal protection locks out elements. Certified to IP66 / IP68 for front panel components.
Panel seal prevents water/dust ingress into the panel.
Operating Temp: -40°C to 85°C **Approvals:**
Bulk Pack Size: 1, 10, 20, 100 **Retail Pack Size:** 1, 10



Removal Tool VRT
101.4 x 22.9mm

Scan this QR Code for more information

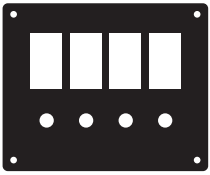
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PROLEC

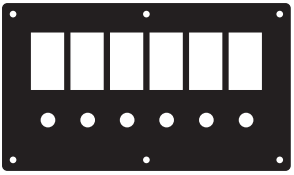
Email: info@prolecproducts.com.au
Web: www.prolecproducts.com.au

BLANK CIRCUIT BREAKER / SWITCH PANELS

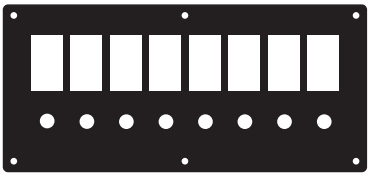
Prolec's Australian made 4, 6 or 8 way panels, enable you to build your own customised circuit breaker / switch panel. Simply order the panel that suits your requirements, then order the switches and circuit breakers (sold separately). Switches are available with different electrical configurations and the switch actuators come in a wide variety of symbols & labelling. Our manual reset circuit breakers are available in ratings from 3A to 20A. Once the switches and breakers are fitted into the panel, connect your cables to them using standard 1/4" Q/C terminals.



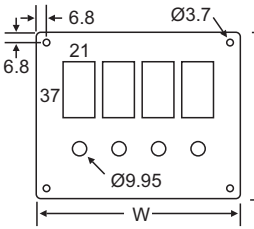
PROPNL14V4WSB



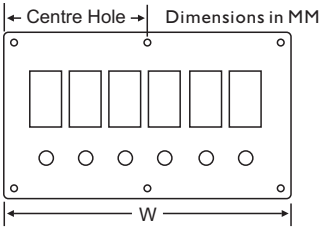
PROPNL14V6WSB



PROPNL14V8WSB



4 Way Panel



6 & 8 Way Panel

Part Number	Description	Dimensions (W x H)	Centre Hole
PROPNL14V4WSB	4 Way Blank Panel	135 x 110mm	-
PROPNL14V6WSB	6 Way Blank Panel	190 x 110mm	95mm
PROPNL14V8WSB	8 Way Blank Panel	240 x 110mm	120mm
VHP01	Hole Plug Breaker	13 x 10.5mm	9.5mm
14HP38	Hole Plug Switch	48 x 23mm	37 x 21mm

Panel Material: Aluminum Black Powder Coated.
Panel Thickness: 2.3mm
Hardware: Includes black countersunk screws.
Note: Switches & circuit breakers are not included with the panel.

Hardware Black



RELATED PRODUCTS:



Rocker Switch
Snap Mount
(Refer page 174)



Circuit Breaker
3/8"-27 Bushing
(Refer page 54)



Rocker Switch Hole Plug
37x21mm



NEW

Circuit Breaker Hole Plug
3/8" (9.5mm)





Weatherproof Boots Clear or Black Options
3/8"-27 Thread, IP67
(Refer page 54)

How to order to complete your custom DIY switch breaker panel:

Step One: Choose a 4, 6 or 8 way blank panel. (As above)
Step Two: Choose the rocker switch units / bases. (Page 174)
Step Three: Choose the rocker switch actuators / covers. (Page 174)
Step Four: Choose the panel mount circuit breaker for each position. (Page 54)
Step Five: If required choose protective boots for the circuit breakers. (Page 54)

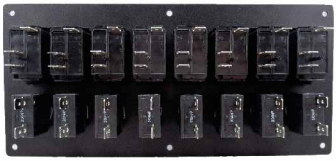
Sample Loaded 8 Way Panel (Non Wired).

Carling Rocker Switches
Contura V, Series II
Laser Etched LED Lens

Mechanical Products
Series 14, 15 or 16
Circuit Breakers
Manual Reset TIII
(Weatherproof Boot Black)



Loaded Front View
8 Way Switch & Breaker Panel



Loaded Rear View
8 Way Switch & Breaker Panel

BATTERY DISCONNECT SWITCH TERMINALS

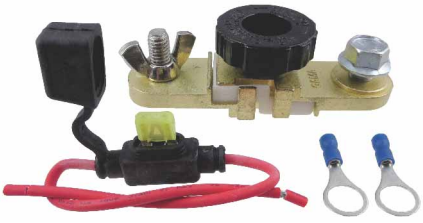
Bussmann

Battery Switch Terminals are primarily designed to prevent battery drain by providing a quick and safe way to completely disconnect the negative (-) terminal of a battery. Simply unscrew the plastic knob one 1/4 turn and the battery is disconnected. To restore power, screw the knob down again.

A secondary application of this product is for use as an anti-theft device. By completely removing the knob, the vehicle cannot be started. Installing the included fuse holder (to bypass the switch) allows power flow to low current accessories ie. alarm, clock or door locks, but high current loads like a starter motor will not function until the knob is re-installed. The fuse can be removed to completely disconnect power.



BMS-1 (Kit - Suit Top Post)



BMS-2 (Kit - Suit Side Post)

Part Number	Description
BMS-1	Top Post Battery Switch Kit
BMS-2	Side Post Battery Switch Kit

Both Kits Contain:
1 x Battery switch.
1 x Inline mini fuse holder.
1 x 20A Mini fuse.
2 x Crimp terminals.
1 x Wing nut & bolt.



Negative Top Post



Negative Side Post



Ampere Rating: 100A continuous, 600A cranking.
Notes: Use on Negative (-) terminal. Suitable for boats. Recommended by inboard and outboard motor manufacturers using DFI / FFI / EFI electronic fuel injection systems, but use without fuse and holder.

Scan this QR Code for more information

QR Code: 9019

RELAY + SWITCH

BATTERY DISCONNECT WITH CIRCUIT BREAKER

MP Mechanical Products

The Series 53,Branch Disconnect Switch with Circuit Breaker, incorporates a traditional battery disconnect switch (non-engine) & circuit breaker into a single device. This unique single rotary switch allows OEM cost savings by eliminating the added components, material and labour of a separate battery switch and circuit breaker / fuse. For end users and maintenance personnel, it provides a quick way to disconnect traditional downstream circuit(s) to prevent unintentional battery drain or provide disconnected battery power during storage and/or maintenance.

Features

- Current ratings 10A to 70A. Voltage 32VDC.
- Rotary switch knob, with Push to Reset breaker button.
- One-Piece terminal stud design never loosens over time.
- Panel Mount Options: Front or rear panel mount.
- Surface Mount: With standoff accessory #530-320-2.
- Ignition protected and weatherproof IEC 60529, (IP66 & IP67).
- Designed and manufactured in USA.
- Housing: Thermoplastic.
- Approvals: UL 1077, SAE J553, ABYC, CE



Surface Mount



Panel Mount

For complete product details on this product please see catalogue page 56.

PROLEC
Email: info@prolecproducts.com.au
Web: www.prolecproducts.com.au

EMERGENCY BATTERY DISCONNECT SWITCH 12-24VDC

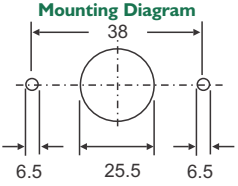
Littelfuse

Emergency Manual Battery Disconnect Switch with ROTATE to SWITCH ON & PUSH KNOB to SWITCH OFF in the event of an emergency. Switch status is indicated though a window on the top of the knob.

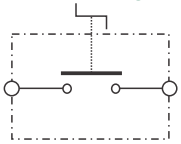
NEW

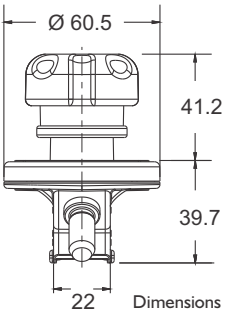
Part Number	Amperage	Intermittent Current	Circuitry	Ingress Rating	Mounting	Copper Terminals	Notes
08080200	150A	1200A at 5s	SPST	IP65	Through-Hole	M10 Ag Plated	Push to Off

Mounting Diagram



Electrical Diagram





Dimensions in MM

Top View of Knob



Push to turn OFF

Turn to switch ON



EMERGENCY BATTERY DISCONNECT SWITCH 12-24VDC

Littelfuse

The Littelfuse Emergency Battery Disconnect Switch features a TURN to SWITCH ON and PUSH to OFF operation. Easy to operate and shut off vehicle power in emergency situations. Switch features an identical mounting pattern to metal body removable key switches, so the same application has multiple options with minimal design changes.

NEW

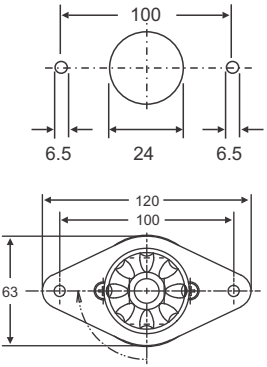
IP65

Features

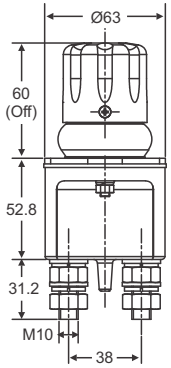
- 250A continuous current rating.
- Waterproof and dust proof to IP65.
- Push to off emergency shutdown feature.
- Highly visible bright red handle.

Part Number	Amperage	Intermittent Current	Circuitry	Ingress Rating	Mounting	Brass Terminals	Notes
08098400	250A	2500A at 3s	SPST	IP65	Flange	M10 Ag Plated	Push to Off

Mounting Diagram

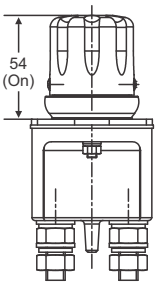


Push to turn OFF



Dimensions in MM

Turn to switch ON



Electrical Diagram



RELAY + SWITCH

BATTERY DISCONNECT SWITCHES 12-24VDC

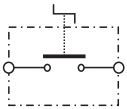
Littelfuse

NEW

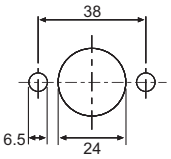
These battery disconnect switches all feature a removable key handle and compact plastic body.
The 08098700 is the standard manual battery disconnect switch rated to 100A with M8 terminals.
The 08098780 is rated to 150A max. continuous current with M10 stud terminals designed for heavier current loads which makes it one of the most popular products for 12V or 24V applications.
The 08099080 is also rated to 150A with M10 terminals, but features both a seal on the handle and a tethered cover to seal the key hole when the handle is removed. It's weatherproof to IP43.

Part Number	Amperage	Intermittent Current	Circuitry	Ingress Rating	Mount	Copper Terminals	Terminal Hardware	Notes
08098700	100A	500A at 5s	SPST	IP4X	Flange	M8	Steel-Zinc	-
08098780	150A	1000A at 5s	SPST	IP4X	Flange	M10	Brass	-
08099080	150A	1000A at 5s	SPST	IP43	Flange	M10	Steel-Zinc	Key Seal & Cap

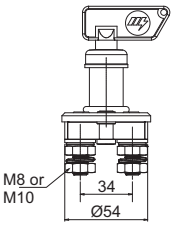
Electrical Diagram



Mounting Diagram



Dimensions in MM





08098700
08098780



08099080

BATTERY DISCONNECT SWITCH 12-24VDC

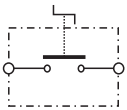
Littelfuse

NEW
IP65
IP69K

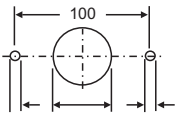
Manual battery switch with removable or fixed handle and available with weather protective boots.
08098800 - Switch with removable handle. Interchangeable with Bosch. 0341002003 switches.
08098881 - Switch with removable handle and chain. Includes red, yellow rubber boots & black cover for weather protection and to help identify different applications.
08098882 - Switch with fixed handle and integrated lock-out tag-out. Red, yellow and black rubber boots for weather protection and to help identify different applications. This new design that does not require an accessory for lock-out tag-out functionality.

Part Number	Amperage	Intermittent Current	Circuitry	Ingress Rating	Mount	Copper Terminals	Terminal Hardware	Handle
08098800	250A	2500A at 3s	SPST	IP65	Flange	M10	Zinc-Plated	Removable
08098881	250A	2500A at 3s	SPST	IP65/IP69K	Flange	M10	Zinc-Plated	Removable
08098882	250A	2500A at 3s	SPST	IP65/IP69K	Flange	M10	Zinc-Plated	Fixed

Electrical Diagram



Mounting Diagram





08098800



08098881



08098882

PROLEC

Email: info@prolecproducts.com.au
Web: www.prolecproducts.com.au

MASTER DISCONNECT SWITCH 70VDC

Littelfuse

70V IPX8

The 75920 Series 70V Master Battery Disconnect switch is designed to protect the battery and electrical systems in your off road, emergency vehicle, construction equipment, tractor, heavy duty truck or boat. The switch protects vehicles from battery drain from parasitic loads and theft. It also serves as an effective manual emergency power cutoff switch.

Features

- Built-in lock-out/tag-out (LOTO) satisfies OSHA requirements for an energy isolation device.
- 90° switch travel makes it easy to identify the switch position.
- Large divider on base prevents accidental shorting of high energy cables.
- Fits standard Master Disconnect mounting pattern.
- Can be used in high side or low side applications.
- Waterproof and dust proof to IPX8.
- Composite engineered polymer housing will not rust or corrode.
- Tested per SAE 1455 for salt, calcium chloride and magnesium chloride.
- Large knob is easy to operate with gloves.



Lock-Out Feature

Part Number	Circuitry	Ingress Rating	Mount	Studs	Switch Pos Symbol	Feature	Actuator Colour
75920	SPST	IPX8	Panel	3/8"-24	ON / OFF	Lockout	Red
75920-01	SPST	IPX8	Panel	3/8"-24	ON / OFF	Lockout	Yellow
75921-02	SPST	IPX8	Panel	M10	I/0	Lockout	Black

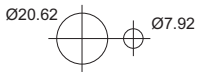
Current / Cycle Life Rating Continuous:
400A @ 24V with 105mm² (4/0) cable 10,000cycles.
500A @ 24V with 200mm² (2x4/0) cable 5,000cycles.
300A @ 70V with 105mm² (4/0) cable 1,500cycles.
500A @ 70V with 200mm² (2x4/0) cable 250cycles.
Intermittent Current: At 12V all, 5 cycles:
1,000A, 90sec on, 5 min off.
1,500A, 60sec on, 5 min off.
2,000A, 30sec on, 5 min off.
3,000A, 15sec on, 5 min off.
Operating Temperature: -40 to 85 degC
Flammability Rating: UL 94 V-0
Terminal Material: Copper.
Hardware: Stainless steel nuts (included)
Corrosion Test: SAE J1455 for salt calcium and magnesium delivering a rust and corrosion free high amp battery disconnect.
Vibration and Shock Test: SAE J1455
Ingress Protection Rating: IPX8.
Approvals: SAE CE RoHS



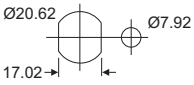


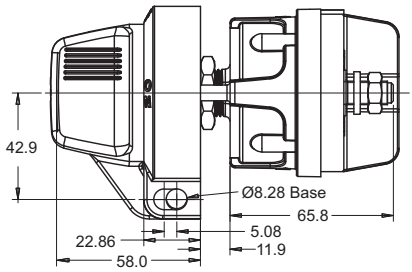


Mounting Diagram #1 Without Panel Punch

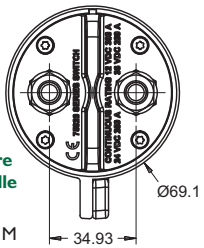


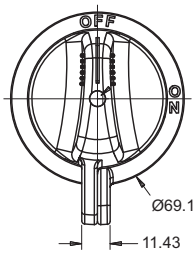
Mounting Diagram #2 With Panel Punch





Lock-Out Feature Hole Ø 8.1 Handle





Dimensions in MM

RELAY + SWITCH

MASTER DISCONNECT SWITCH 48VDC

Littelfuse

NEW | IGNITION PROTECTED | 48V | IP67 | IP69K

The Littelfuse Master Disconnect Switch isolates the batteries and eliminates battery drain when vehicle is stored overnight or for longer periods. Electrically cuts off battery power for safety or when the vehicle is being serviced. Units have a depth of only 75mm (knob front to end of studs) – can be installed in locations where behind-panel space is limited.

Features

- 300A continuous current rating.
- Ignition protected to SAE J1171 and ISO 8846 for installation in a battery box or on vehicles carrying hazardous loads.
- Plastic construction will not corrode.
- Stands up to road splash and salt spray.
- Ingress protected to IP67/ IP69K.
- Switch can be mounted anywhere on the vehicle.
- Stainless steel hardware (included) and tin-plated copper contacts minimize resistance in harsh environments.



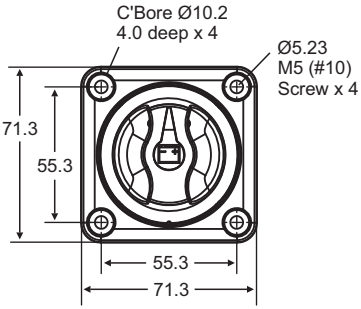
Front Face

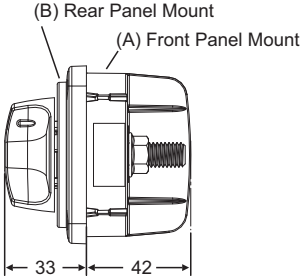
Part Number	Voltage	Amperage	Cranking Rating 12VDC, 30 Sec	Circuitry	Ingress Rating
880062	48V	300A	1250A (1 x 4/0 cable)	SPST	IP67 / IP69K

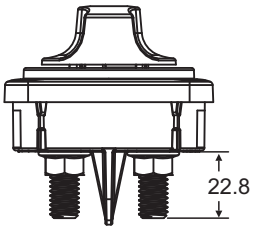


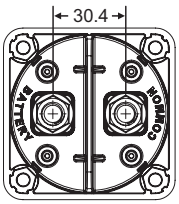
Rear Side

Mounting: Panel Mount. Front or Rear Options.
Front Panel Mount: 67mm (2-5/8") Hole. See (A)
Rear Panel Mount: 60mm (2-3/8") Hole. See (B)
Terminal Stud Size: 3/8"-16 (accepts M10 terminals).
Terminal Studs: Tin-plated copper.
Hardware: Stainless steel nuts (included).
Ingress Protection Rating: IP67 / IP69K.
Ignition Protection: Meets ISO 8846 & SAE J1171
Inrush Rating (2 sec): 3,500A.
Cranking rating (2 sec): 1,250A (1 x 4/0 cable)



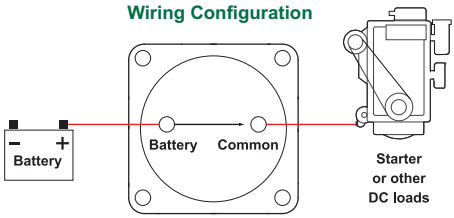






Dimensions in MM

Wiring Configuration



Master Battery Disconnect (shown in ON state)

RELAY + SWITCH

PROLEC

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Web: www.prolecproducts.com.au

MASTER DISCONNECT SWITCH 36-48VDC

Littelfuse

NEW | IGNITION PROTECTED | 48V | IP67 | 32V | IP69K

The Littelfuse Master Disconnect Switch isolates the batteries and eliminates battery drain when vehicle is stored overnight or for longer periods. Electrically cuts off battery power for safety or when the vehicle is being serviced. Units have a depth of only 75mm (knob front to end of studs), can be installed in locations where behind-panel space is limited.



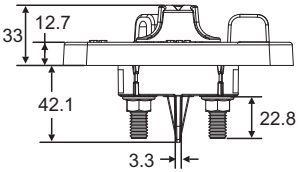
Features

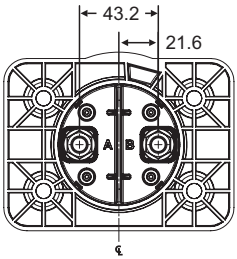
- 300A continuous current rating.
- Lockout feature. Padlock capability.
- Switch can be mounted anywhere on the vehicle.
- Plastic construction will not corrode.
- Stands up to road splash and salt spray.
- Ingress protected to IP67/ IP69K.
- Ignition protected to SAE J1171 and ISO 8846 for installation in a battery box or on vehicles carrying hazardous loads.
- Stainless steel hardware (included) and tin-plated copper contacts minimize resistance in harsh environments.

Part Number	Voltage	Amperage	Cranking Rating 12VDC, 30 Sec	Circuitry	Ingress Rating	Feature
880064	48V	300A	1250A (1 x 4/0 cable)	SPST	IP67 / IP69K	Lockout
880154	32V	600A	2500A (1 x 4/0 cable)	SPST	IP67 / IP69K	High Cranking & Lockout

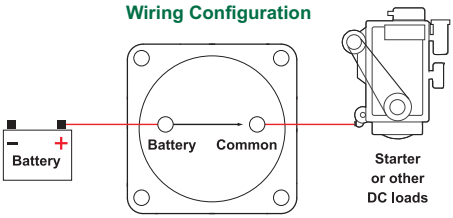
Mounting: Flange Mount.
Terminal Stud Size: 3/8"-16 (accepts M10 terminals).
Terminal Studs: Tin-plated copper.
Hardware: Stainless steel nuts (included).
Ingress Protection Rating: IP67 / IP69K.
Ignition Protection: Meets ISO 8846 & SAE J1171



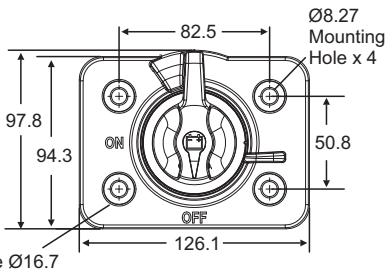




Wiring Configuration



Master Battery Disconnect (shown in ON state)



C'Bore Ø16.7
4.57 deep x 4

Dimensions in MM

RELAY + SWITCH

MASTER DISCONNECT SWITCH 12-48VDC

Littelfuse

48V NEW IP67 IP69K

The Littelfuse Master Disconnect 2 Pole Switch cuts all battery power from vehicle electrical systems with applications needing switching of two circuits. Can be used to switch two vehicle voltage circuits simultaneously (24V & 12V). Disconnect a battery or multiple batteries, in either the positive or the negative line.

Features

- 500A continuous current rating per circuit.
- Ingress protection to IP67 and IP69K means that the switch can be mounted in exposed locations on the vehicle.
- Drop-in replacement for competitive Master Disconnect Switches, with higher vibration and shock capabilities.
- Direct lockout/tagout capability in On or Off position, with padlock or hasp.

Part Number	Amperage	Switch Circuit	Ingress Rating	Mount	Actuator Colour
880175	500A	DPST	IP67 / IP69K	Surface	Black
880175-0001	500A	DPST	IP67 / IP69K	Surface	Red
880175-0002	500A	DPST	IP67 / IP69K	Surface	Yellow



880175

Voltage: 48VDC.
Max Continuous Current Ratings:
500A per circuit with 2 x 4/0 input and 2 x 4/0 output cables.
350A per circuit with 1 x 4/0 input and 1 x 4/0 output cables.
Terminal Stud Size: M12 x 25mm.
Terminal Studs: Tin-plated copper
Hardware: Stainless steel nuts (included)
Ingress Protection Rating: IP67 / IP69K.
Inrush Rating (1 sec): 3,000A per circuit with 2 x 4/0 + 1 x 2 AWG.
Cranking rating (30 sec):
2,250A per circuit with 2 x 4/0 input and 2 x 4/0 output cables.
1,750A per circuit with 1 x 4/0 input and 1 x 4/0 output cables.
Temperature Rating: -50 °C to +85 °C, DC-Rated to 105 °C.
Recommended Terminal Torque: 20 Nm (30Nm max).
Recommended Mounting Torque: 15Nm (20Nm max).
Notes: Ambient temperature can reach 105 °C with appropriate de-rating. Stud terminals must never exceed 125 °C under any condition.



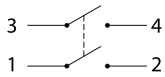
880175-0001

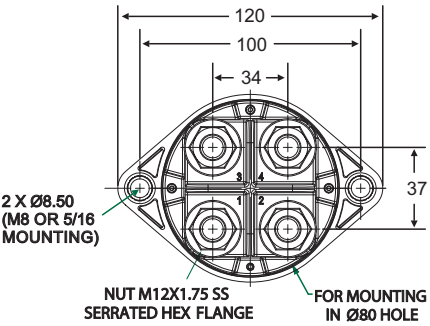


880175-0002



Internal Switch Circuit Diagram

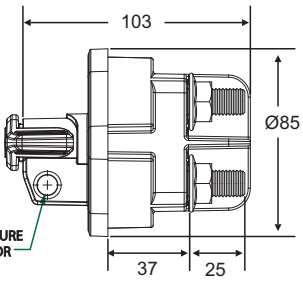




Scan this QR Code for more information

QR Code: 9039

Dimensions in MM



RELAY + SWITCH

PROLEC

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BATTERY DISCONNECT SWITCH 24VDC

Littelfuse

NEW

IP67

IP69K

250A-500A bipolar disconnect switch with fixed or removable handle. Modern design, made of high performance materials in terms of resistance to high temperatures, chemical and atmospheric agents. This battery master switch represents an evolution of our expertise and is also supplied in up to 500A DC version.

Features

- Product series features modern advancements in the design evolution of manual battery disconnects.
- Smartkey allows operator to make the handle removable or fixed, locking it in either the OFF or ON position.
- Protective rubber cap with an auto-protection feature ensures dirt protection when the handle is inserted.
- Up to 500A continuous current.
- IP69K rating for high pressure wash.

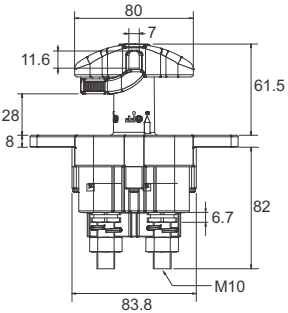
Applications

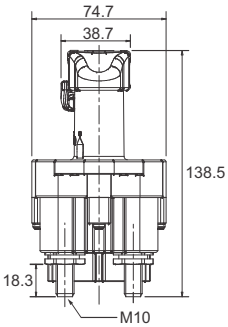
Heavy Trucks	Off-Road	Construction	Material Handling
Mining Vehicles	Agriculture	Marine	Emergency Vehicles

Part Number	Amperage	Intermittent Current	Circuitry	Ingress Rating	Mounting	Silver Plated Copper Terminals
08084300	250A	1000A at 10s	DPST	IP67/IP69K	Flange	M10
08084400	500A	1500A at 10s	DPST	IP67/IP69K	Flange	M12

Voltage: 24VDC.
Terminal Stud Size: noted above.
Terminal Studs: Tin-plated copper
Hardware: Stainless steel nuts (included)
Ingress Protection Rating: IP67 / IP69K.
Temperature Rating: -40 °C to +85 °C

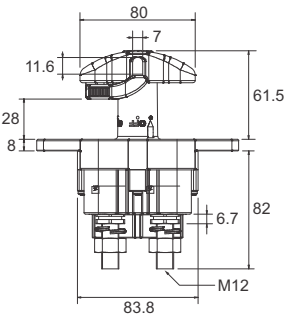


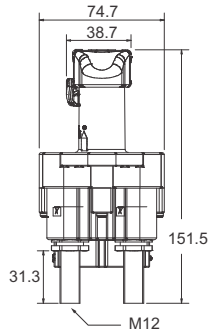




08084300

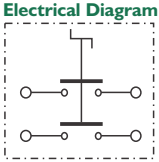




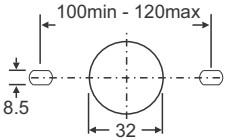


08084400 Dimensions in MM

Electrical Diagram



Mounting Diagram



RELAY + SWITCH

INSULATED TERMINAL CRIMPING TOOL

Part Number
9602460



Economy Crimper: Suits insulated terminals.
Wire Size Range: 0.25mm² to 6mm²
Notes: Economy Type.
Pack Size: 1

Crimping Range
- 0.25-1.5mm² AWG20-16
- 2.5mm² AWG14
- 4-6mm² AWG12-10

Part Number
9602500



Ratchet Crimper: Suits insulated terminals.
Wire Size Range: 0.25mm² to 6mm²
Pack Size: 1

Crimping Range
- 0.25-1.5mm² AWG20-16
- 2.5mm² AWG14
- 4-6mm² AWG12-10

TERMINAL CRIMPING TOOL

Part Number
9602450



Economy Crimper: Suits terminals.
Wire Size Range: 1.5mm² to 6mm²
Pack Size: 1

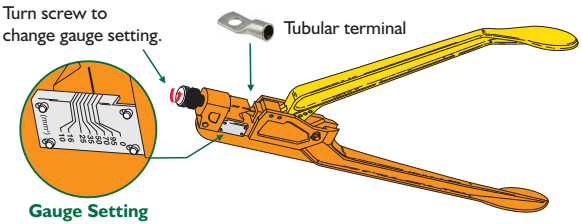
Part Number
9602455



Ratchet Crimper: Suits terminals.
Wire Size Range: 0.5mm² to 6mm²
Pack Size: 1

TUBULAR TERMINAL CRIMPING TOOL

Part Number
CRIMPER-04



Crimps: Tubular terminals.
Wire Size Range: 10mm² to 95mm²
Wire Size Range: #8AWG to 3/0AWG
Notes: Tool can also be held in vice jaws.
Pack Size: 1

RELATED PRODUCTS:



Tubular Terminals
(see p.188)

Email: info@prolecproducts.com.au
Web: www.prolecproducts.com.au

TERMINAL CRIMPING TOOL - WEATHER PACK

This tool is designed to crimp a terminal and a seal onto a stripped end of a electrical cable.

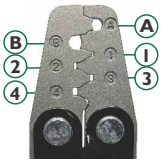
Part Number
CT-P78



Crimps: Aptiv Delphi Metri-Pack 150 & 280, Weather Pack
Tyco AMP MCP 2.8 terminals.
Terminal Gauge Range: AWG22 -12 (0.35mm² to 3mm²)
Features: Parallel jaw design eliminates terminal rocking.
Notes: Suits terminals used with PDM's products including;
Bussmann: CFH-A, 15305 & 1540X, 31S, 31M, XTCK4
GEP: FRH-A12, FRH-A24, PDM-R3A, PDM-S3A, PDM-U3A
Littelfuse: BPDMA104, PDM7100, PDM3100, PDM2100
Pack Size: 1

Need help using this crimp tool?
Scan the QR code to view instructions.

Crimping Tool Head Legend
A : Crimp Metri-Pack 150 seals
B : Crimp Metri-Pack 280 & AMP MCP 2.8 seals
1 : Crimp AWG22 (0.35mm²) terminals
2 : Crimp AWG20 -18 (0.5 to 0.8mm²) terminals
3 : Crimp AWG16 -14 (1.0 to 2.0mm²) terminals
4 : Crimp AWG12 (3.0mm²) terminals



Scan this QR Code for more information

QR Code: 8001

RATCHET CRIMPING TOOL KIT - WEATHER PACK 280

These tools are designed to crimp a terminal and cable seal onto a stripped end of a electrical cable. NEW

Features:
- Quickly change between different jaw sets.
- Ratchet mechanism with automatic quick release.
- Parallel jaw design eliminates terminal rocking.
- Crimps terminal and seal in one press.

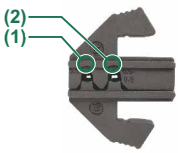


Part Number	Kit Includes
CT-JA18B	Quick change ratchet crimper tool (8.7") 220mm H6 Jaw set suits: (AWG22 / 20-18) 0.35 / 0.5-0.8mm² H7 Jaw set suits: (AWG16-14 / 12) 1.0-2.0 / 3.0mm² Weather Pack connector terminal removal tool

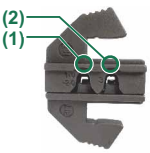
CT-JA18B pictured
with jaw set inserted

Crimps: Aptiv Delphi Metri-Pack 280 & Weather Pack terminals.
Terminal Gauge Range: AWG22 -12 (0.35mm² to 3mm²)
Notes: Suits terminals used with PDM's products including;
Bussmann: CFH-A, 15305 & 1540X, 31S, 31M, XTCK4
GEP: FRH-A12, FRH-A24, PDM-R3A, PDM-S3A, PDM-U3A
Littelfuse: BPDMA104, PDM7100, PDM3100, PDM2100
Pack Size: 1

H6 Jaw Set
Position



H7 Jaw Set
Position



Crimping Tool Set Legend
H6 Jaw Set Position 1 : Crimp AWG22 (0.35mm²) terminals
H6 Jaw Set Position 2 : Crimp AWG20 -18 (0.5 to 0.8mm²) terminals
H7 Jaw Set Position 1 : Crimp AWG16 -14 (1.0 to 2.0mm²)terminals
H7 Jaw Set Position 2 : Crimp AWG12 (3.0mm²) terminals

Delphi Weather Pack Connector Terminal Removal Tool





TERMINAL CRIMPING TOOL DELPHI APTIV

Part Number
06285847



Crimps: Aptiv Delphi Pack-Con Series 3 & 5 Terminals.
Two cavity crimp tool. Spring loaded.
Terminal Gauge Range: #20 - #10AWG (0.5mm² to 5mm²)
Notes: Suits terminals used with Bussmann RTA Autofuse panels 157 series fuse blocks (p.92). Crimps core wings only.
Pack Size: 1

TERMINAL REMOVAL TOOLS DELPHI APTIV

These tools are designed to remove terminals fitted in PDM's, holders or

Part Number
12094429



Extracts: Delphi GT 150; GT 280; 150 Metri-Pack; 280 Metri-Pack; 280 Tangless & 280 Bus Bar; 630 Pull-To-Seat; Lamp Socket Bases, B-1 & W-3; 800 Metri-Pack Female.
Notes: As used in Bussmann15303, 15305, 15401, CFH-A series Power Distribution Modules.
As used in GEP FRH-A12, FRH-A24, PDM-R3AC1, PDM-S3AC1, PDM-U3AC1 Power Distribution Modules.
As used in Littelfuse BPDMA104, PDM31001, PDM21001 and PDM71001 Power Distribution Modules.
Pack Size: 1

Part Number
12094430



Extracts: Delphi Pack-Con series 3 & 5 terminals.
Notes: As used in Bussmann RTA 157 series rear terminal fuse blocks (p.92).
Pack Size: 1

TERMINATED, SEALED CABLES & JUMPERS DELPHI APTIV

These pre-terminated and sealed cables and jumpers have been designed for quick installation into Power Distribution Modules (PDM's) with cavities that mate with Delphi Aptiv 280 Metri-Pack terminals and seals. They are available in two models: Tangless or Tanged. The dual terminated and sealed jumpers are a quick way to link a mini fuse cavity to a ISO 280 relay cavity. Whilst the single terminated and sealed cables can be used for power or signal applications. The un-terminated end can be joined to other cables simply with a butt splice connector.

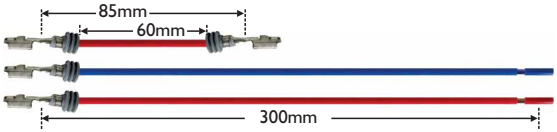
Part Number	Product	Termination Type	Cable Specifications	Suits Various PDM's
CAB2.0X85TS1J	Jumper	Dual End, Tangless	1.84mm² x 90mm Red	15305-1, 15305-2, 15305-3,
CAB2.0X300TS1	Cable Lead	Single End, Tangless	1.84mm² x 300mm Red	15305-4, 15305-5, 15305-6,
CAB2.0X300TS2	Cable Lead	Single End, Tangless	1.84mm² x 300mm Blue	
CAB2.0X85TS1TJ	Jumper	Dual End, Tanged	1.84mm² x 90mm Red	BPDMA104, CFH-Axx,
CAB2.0X300TS1T	Cable Lead	Single End, Tanged	1.84mm² x 300mm Red	FRH-A12, FRH-A24,
CAB2.0X300TS2T	Cable Lead	Single End, Tanged	1.84mm² x 300mm Blue	PDM-R3AC1, PDM-S3AC1, PDM-U3AC1, PDM31001, PDM21001, PDM71003, 15401, 15402, 15403, 15404

Terminal Type: Delphi Aptiv Metri-Pack 280
Notes: As used in various PDM fuse and relay blocks.
Pack Size: 1, 10, 50, 100



Terminal Types





Email: info@prolecproducts.com.au
Web: www.prolecproducts.com.au

TERMINAL, SEAL AND CAVITY PLUG KITS FOR PDM'S

Features: • Fitted with genuine original equipment components.
• Australian designed & made compartment box. Kitted locally.

280 Tangless Female Sealed - 120pcs

Suits: Bussmann RTMR's 15305 Series

Part Number	Kit Contains:
TERMKIT001	Terminals: 10pcs x 0.8 - 1.0mm^2 30pcs x 1.0 - 2.0mm^2 10pcs x 2.0 - 3.0mm^2
	Cable Seals: 10pcs x 2.03 - 2.85mm Green 30pcs x 2.81 - 3.49mm Grey 10pcs x 3.45 - 4.3mm Blue
	Cavity Plugs: 20pcs x 6.7mm Green



Tangless



280 Tanged Female Sealed - 170pcs

Suits: GEP Power - FRH-A12 & A24, PDM-R3AC1, PDM-S3AC1, PDM-U3AC1 & U3FC1.
Bussmann - CFH, ssVEC, ssDVEC Series
Littelfuse - HWB18 - PDM31001
HWB60 - PDM21001 & PDM71003

Part Number	Kit Contains:
TERMKIT002	Terminals: 10pcs x 0.8 - 1.0mm^2 40pcs x 2.0 - 3.0mm^2 20pcs x 5.0mm^2
	Cable Seals: 10pcs x 2.03 - 2.85mm Green 40pcs x 2.81 - 3.49mm Grey 20pcs x 3.45 - 4.3mm Blue
	Cavity Plugs: 30pcs x 6.7mm Green



Tanged



280 Tanged Female Sealed - 310pcs

Suits: GEP Power - FRH-A12 & A24, PDM-R3AC1, PDM-S3AC1, PDM-U3AC1 & U3FC1.
Bussmann - RFMR's - 154 Series
Littelfuse - PDM31001, PDM21001 & PDM71003

Part Number	Kit Contains:
TERMKIT003	Terminals: 20pcs x 0.8 - 1.0mm^2 70pcs x 2.0 - 3.0mm^2 40pcs x 5.0mm^2
	Cable Seals: 20pcs x 2.03 - 2.85mm Green 70pcs x 2.81 - 3.49mm Grey 40pcs x 3.45 - 4.3mm Blue
	Cavity Plugs: 50pcs x 6.7mm Green



Tanged



MCP 2.8 Barbed Female Sealed - 170pcs

Suits: Bussmann - RTMR 15310
Littelfuse - HWB12 - PDM33003

Part Number	Kit Contains:
TERMKIT004	Terminals: 30pcs x 0.5 - 1.0mm^2 40pcs x 1.0 - 2.5mm^2
	Cable Seals: 30pcs x 1.5 - 2.1mm Blue 40pcs x 2.2 - 3.0mm White
	Cavity Plugs: 30pcs x 6.7mm Natural



Barbed



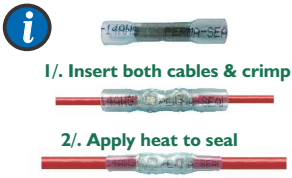
INSULATED HEAT SHRINK BUTT SPLICE CONNECTORS

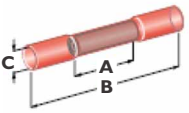
Perma-Seal splices provide a rugged, environmentally sealed connection for wire sizes that will insulate, seal and protect joints from physical abuse and abrasion, water, salt and other corrosive compounds.

Part Number	Connector	Wire Gauge	Colour	A (mm)	B (mm)	C (mm)	
19164-0013	Butt Splice	22-18AWG	Red	15	39.4	4.7	
19164-0044	Butt Splice	16-14AWG	Blue	15	39.4	4.95	
19164-0056	Butt Splice	12-10AWG	Yellow	15	45.7	6.99	



Voltage: Maximum 600V
Barrel Type: Closed
Material Plating - Mating & Termination: Tin
Material Metal: Copper **Insulation:** NiAc™
Temperature Range Operating: -55°C to +125°C
Wire Insulation Diameter: 5.97mm max.
Pack Size: 10, 50, 100, 500





MALE & FEMALE PVC INSULATED DISCONNECTS

NEW

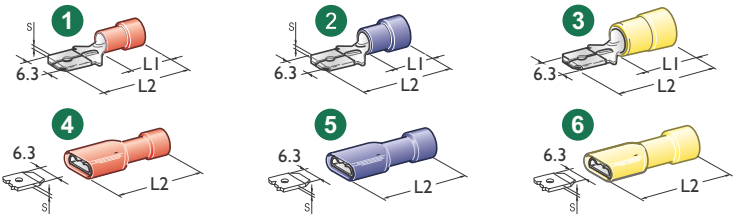
Part Number	Nylon Insulated	Wire Section	L1 (mm)	L2 (mm)	Dia	Colour	
1852000	1/4" Male Push On	0.25-1.00mm²	12	21.0	1	Red	
1856000	1/4" Male Push On	1.00-2.50mm²	12	21.0	2	Blue	
1862000	1/4" Male Push On	2.50-6.00mm²	13	22.5	3	Yellow	
1851500	1/4" Female Push On	0.25-1.00mm²	-	23.5	4	Red	
1855500	1/4" Female Push On	1.00-2.50mm²	-	23.5	5	Blue	
1860500	1/4" Female Push On	2.50-6.00mm²	-	24.0	6	Yellow	

RELATED PRODUCTS:





Crimping Tools
(see p.184)



TUBULAR TERMINAL CRIMPING TOOL

NEW

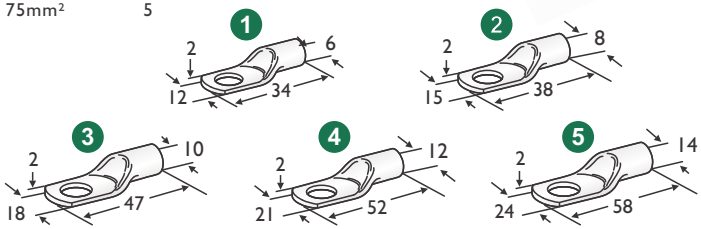
Part Number	Screw Hole	Wire Section	Dia.
05000BK	M6	16mm²	1
05100BK	M8	16mm²	1
05010BK	M8	25mm²	2
05021BK	M8	35mm²	2
05110BK	M10	25mm²	3
05020BK	M10	35mm²	3
05030BK	M11	50mm²	4
05040BK	M13	75mm²	5



RELATED PRODUCT:



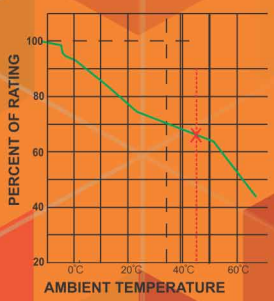
Crimping Tool
(see p.184)



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Information, Notes & Part Number Index

Industry know-how.



Information	Page
Types of Over Current	190
Selecting Over Current Protection	190
Re-Rating for Ambient Temperature	190
Thermal Circuit Breakers	191
Types of Thermal Circuit Breakers	191
Match Wire Gauge to Fuse	192
Wire Size Definitions	192
Wire Insulation Types	192
Wire Gauge Selection	192 - 193
Ingress Protection Rating Tables	193
Imperial vs. Metric Bolt Size Chart	194
Calculating Watts, Amps & DC Voltage	194
Ignition Protection	194
Packaging Options & Displays	195
Part Number Index	196-198
Catalogue Symbols	199
International Approval Markings	199
Automotive Battery Terminal Types	199
Battery Pairing	199



c US

Certified Product

Australian Standard

SAE

Pb

HF

RoHS

REACH

QR

IGNITION PROTECTED

IP66

Fuses are current sensitive devices and selected to be the weakest link in the circuit. Circuit protection is provided when the fuse link melts and safely interrupts the over current demand. The key criteria to judge the performance of a fuse is the time versus current characteristic curve. This curve can be used to match the fuse with the anticipated over current load expected in the application.

Types of Over Current

Short Circuit: A short circuit is a current condition that greatly exceeds the rating of the device. It is caused when a malfunction or accident creates a break in the normal path allowing electricity to flow directly to ground. This shorter current path bypasses the resistance offered by the circuit components connected in the normal current path. In this situation, there is virtually no resistance to impede the current and the current will build to a level where the heat generated can cause insulation or equipment breakdown.

Overload: An overload is an over current that is within the normal current path. Overloads occur when the current exceeds the value for which the equipment or associated wiring is rated. This typically occurs when too many devices are connected to the circuit or when a device connected to the circuit malfunctions. Sustained overloads may slowly cause overheating of the wiring and the components. The circuit protection device must open before these types of overloads cause damage.

Selecting Over Current Protection

During normal conditions, an over current protection device must carry the current without nuisance openings. However, when an overload or short circuit occurs, the device must interrupt the over current and withstand the voltage across the device after arcing. To properly select an over current device, the following items must be carefully considered:

Voltage Rating: Represents the maximum system voltage present in the circuit in which the over current device is installed. The system voltage should not exceed this value for proper operation of the device during an over current event.

Current Rating: This is the ampere value marked on the circuit protection device. It is established by the manufacturer as a value of current which the device can carry, based on a controlled set of test conditions. The current rating of a fuse is typically de-rated by 25% to ensure continuous operation in an ambient temperature of 25˚C and avoid nuisance blowing. Example: A fuse with a current rating of 10A is usually recommended for operation at no more than 7.5A (10A x 0.75) based on an ambient temperature of 25˚C. If the ambient temperature is higher, a re-rating must be calculated as per the section below.

In-rush Characteristics: During the operation of protected equipment, system current can significantly vary. This is particularly evident when motor or other inductive loads in the circuit cause large current surges during start-up or shutdown. A time-delay fuse should be used in applications where in-rush currents are possible.

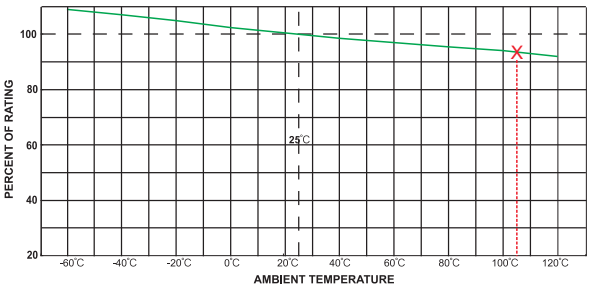
Re-rating For Ambient Temperature

The current carrying capacity tests of fuses are performed at 25˚C and will be affected by changes in ambient temperature. At higher ambient temperatures, a fuse will respond faster to a given overload. Conversely, at lower ambient temperatures, a fuse will respond slower to a given overload. Selecting the correct fuse for higher or lower ambient temperatures requires the use of an *ambient temperature re-rating chart*. These charts vary by product and manufacturer ie. a slow acting fuse will have a different re-rating curve to a fast acting fuse.

Example: We need to select the correct fast-acting fuse for a circuit with a normal operating current of 15A and an ambient temperature of 105˚C.
The formula below uses a 105˚C re-rating factor of 0.88 (read from the chart on the right) and the standard 25˚C de-rating factor of 0.75

$$\frac{\text{Normal Operating Current}}{\text{Re-rating x De-rating}} = \frac{15A}{0.88 \times 0.75}$$

The fuse rating we require is: 22.73A at 105˚C.



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Thermal Circuit Breakers

The basic components of a thermal circuit breaker are the composite alloy reed, two precious metal contacts and the interconnecting terminals. When an over current occurs, heat is generated as the current flows through the reed causing the reed to deflect and snap open. This separates the contacts and safely interrupts the current flow. Two important parameters used to judge the performance of thermal circuit breakers are the time versus current characteristic curve, similar to the fuse, along with the speed at which the contacts snap open. The relative speed at which the contacts separate is a measure of the cycle life under electrical loading demands.

Types Of Thermal Circuit Breakers

In contrast to fuse links, thermal Circuit Breakers are resettable. There are SAE definitions for the different types of thermal circuit breakers. Four different reset operational methods are generally available. Type I, Type II, Type III and Type III* .

T**ype I (Automatic Reset):** Cycles or continuously resets until the fault is corrected. Type I circuit breakers are typically used to protect circuits which occasionally experience momentary overloads such as wiper motor and headlamp circuits where a self resetting device is preferred. They are not designed for long term cycling. It is recommended they are installed downstream of a main fuse, manual reset breaker or momentary switch.

Type II (Modified Reset): Non-cycling. Once tripped, the open circuit condition is maintained, except for a low milliamp draw through the resistor. The circuit breaker resets when power is turned off. Requires a minimum voltage/current to maintain open circuit. Type II circuit breakers are typically used in applications where fuse replacement is objectionable, such as power window, seat and sunroof circuits.

Type III (Manual Reset): Non-cycling. Manually resettable circuit breakers remain in the open position until a button, lever or other external reset device is manually depressed to re-engage the circuit. Type III circuit breakers are typically used in applications where a manual reset is desired for safe diagnosis of a circuit fault.

Type III* (Manual Reset - Push to Trip): Same as a Type III manual reset breaker however the user can press a button on the breaker to open the circuit manually.

Type III* (Manual Reset - Switchable): Same as a Type III manual reset breaker however the user can open the circuit by moving an external switch lever to the OFF position. This same lever can be used to re-engage the circuit by moving the lever back to the ON position, just like a switch.





















Type I
Automatic Reset
(The breaker will reset automatically)

Type II
Modified Reset
(Switch Power Off / On To Reset)

Type III
Manual Reset
(Push Button To Reset)

Type III P.T.T
Manual Reset
(Push Button To Trip Move Lever To Reset)

Type III Switchable
Manual Reset
(Moveable Lever)

Match Wire Gauge To Fuse



In order to protect wiring under all overload and short circuit conditions, it is necessary to standardize the fuse and wire selection process. Fuses have controlled opening characteristics and each wire gauge has its respective current carrying capacity. Fuses need to be selected to always protect the wire insulation from damage. In the selection of wire gauge at various ambient temperatures, it is important to consider the worst case or highest ambient temperature for the application. Wires derate to a much higher degree than fuses, because wire insulation temperature capability is affected much more severely.

Littelfuse provide the following table advising the recommended maximum continuous current rating for the size of wire based on the type of insulation (either GXL or GPT) and the ambient temperature (25°C, 80°C or 105°C).

Wire Size				Maximum Continuous Current (Amperes)				
				At 25°C		At 80°C		At 105°C
AWG	B&S	mm^2	mm (dia.)	GXL	GPT	GXL	GPT	GXL
-	-	0.3	0.62	15	10	11	4	9
20	-	0.5	0.81	21	15	16	6	13
-	-	0.75	0.98	27	21	20	7	17
18	-	0.8	1.02	31	22	23	7	19
16	-	1.0	1.29	33	23	25	9	20
15	-	1.5	1.45	43	30	33	12	27
14	-	2.0	1.63	50	36	37	14	32
13	-	2.5	1.83	60	42	45	15	38
12	-	3	2.05	68	47	51	18	42
-	-	4	2.26	80	56	61	22	50
10	-	5	2.59	90	65	68	23	58
-	-	6	2.76	103	73	78	28	64
8	8B&S	8	3.26	125	87	96	30	79
-	-	10	3.57	146	103	111	40	90
6	6B&S	13	4.12	170	120	129	47	105
4	-	19	5.19	221	156	166	61	137

Wire Size Definitions:

American Wire Gauge or AWG for short (used within the US) - is the standard method denoting wire diameter. Measuring the diameter of the conductor (the bare wire) with the insulation removed. AWG is sometimes also known as Brown and Sharpe (B&S) Wire Gauge. Whilst countries outside of the US use a metric measurement ie mm^2 = Millimetres Squared.

Wire Insulation Types SAE J-1128:

GXL : General purpose cross link polyethylene insulation wire with a maximum insulation temperature of 155°C. Type GXL automotive primary wire is the most common type. It works with most standard automotive wire connectors and may be applied in engine compartments where higher heat resistance is required according to SAE J-1128. GXL automotive wire is thin-walled, giving it a small diameter for hard-to-fit areas in trucks and trailers. Its recommended temperature range is -51°C to 125°C.

GPT : General purpose thermoplastic insulation wire with a maximum insulation temperature of 90°C. Type GPT automotive wire is intended for use whenever SAE J-1128 specifies general circuit wiring. GPT automotive primary wire features extruded insulation and has a recommended temperature range of -40°C to 80°C.

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WIRE GAUGE SELECTION (CONTINUED)

Maximum Allowable Amperage Of Conductors Under 50 Volts (Per SAE J-378)

Wire Size			Temperature Rating of Conductor Insulation 80°C		105°C		125°C	
Wire Gauge AWG	Wire Gauge mm²	Wire Gauge mm (dia.)	Outside Engine Spaces	Inside Engine Spaces	Outside Engine Spaces	Inside Engine Spaces	Outside Engine Spaces	Inside Engine Spaces
18	0.8	1.02	15A	11.7A	20A	17.0A	20A	22.3A
16	1	1.29	20A	15.6A	25A	21.3A	30A	26.7A
14	2	1.63	25A	19.5A	35A	29.8A	40A	35.6A
12	3	2.05	35A	27.3A	45A	38.3A	50A	44.5A
10	5	2.59	50A	39.0A	60A	51.0A	70A	62.3A
8	8	3.26	70A	54.6A	80A	68.0A	90A	80.1A
6	13	4.12	100A	78.0A	120A	102.0A	125A	111.3A
4	21	5.19	130A	101.4A	160A	136.0A	170A	151.3A
3	26	5.83	150A	117.0A	180A	153.0A	195A	173.6A
2	33	6.54	175A	136.5A	210A	178.5A	225A	200.3A
1	42	7.35	210A	163.8A	245A	208.3A	265A	235.9A
0	53	8.25	245A	191.1A	285A	242.3A	305A	271.5A
00	67	9.26	285A	222.3A	330A	280.5A	355A	316.0A
000	85	10.40	330A	257.4A	385A	327.3A	410A	364.9A
0000	107	11.68	385A	300.3A	445A	378.3A	475A	422.8A

INGRESS PROTECTION (IP) RATING

The Ingress Protection rating is a two-digit number used to rate the degree of protection provided against the intrusion of solid objects (including body parts like hands and fingers), dust, accidental contact and water in mechanical casings and with electrical enclosures. The first digit represents protection against ingress of solid foreign objects. The second digit represents protection against harmful ingress of water. The higher each rating, the more protection is offered as shown in tables below.

Value	Protection from SOLIDS
X	No protection.
1	Protected against solid objects over 50mm e.g. hands, large tools etc.
2	Protected against solid objects over 12.5mm e.g. fingers, tools etc.
3	Protected against solid objects over 2.5mm e.g. screwdriver, thick wires etc.
4	Protected against solid objects over 1.0mm e.g. thin wires, screws etc.
5	Dust Protected. Limited protection against dust ingress (no harmful deposit).
6	Dust Tight. Totally protected against dust ingress.

Value	Protection from WATER
X	No protection
1	Protected against vertically falling drops of water. Should have no harmful effect.
2	Protected against vertically dripping water at any angle of up to 15° from the vertical. Should have no harmful effect.
3	Protected against water spray at any angle up to 60° from the vertical. Should have no harmful effect.
4	Protected against water splashing against the enclosure from any direction. Should have no harmful effect.
4K	Splashed water, at high pressure, only for road vehicles.
5	Protected against low pressure water jets from any direction. Should have no harmful effect.
6	Protected against high pressure water jets from any direction. Should have no harmful effect.
6K	Powerful water jets, at high pressure (flooding), only for road vehciles
7	Protected against harmful effects of 30 min. immersion in water at depth of 15cm (top of device) to 1M (bottom of device).
8	Protected against continuous immersion in water at a depth and conditions specified by the manufacturer.
9K	For pressure / steam jet cleaning, only for road vehicles.

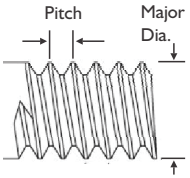


IP67 Example Catalogue Symbol For IP Rating

IMPERIAL VS METRIC BOLT SIZES

The following table lists a range of standard Imperial bolts including the number of threads per inch according to each of the different standards. Metric bolts are also listed based on closest matching diameter. Metric bolts are not equivalent to Imperial bolts. To ensure proper fit, a bolt must be threaded into a nut of the same type. ie UNC 1/4" bolt with a UNC 1/4" nut. However, if you wanted to bolt down a product that is specified with an M8 hole size, you could use either an M8 bolt or a 5/16" bolt, as they both require a hole size approximately 8mm in diameter.

IMPERIAL BOLTS						METRIC BOLTS		
Size (IMP.)	Size (MM)	BSW (TPI)	BSF (TPI)	UNC (TPI)	UNF (TPI)	Size (MM)	Metric Coarse (Thread Pitch)	Metric Fine (Thread Pitch)
#6	3.5	-	-	32	40	M3.5	0.6	0.35
#8	4.2	-	-	32	36	M4	0.7	0.5
3/16"	4.8	24	32	24	32	M5	0.8	-
#10	4.83	-	-	24	32	-	-	-
#12	5.5	-	-	24	28	-	-	-
1/4"	6.4	20	26	20	28	M6	1.0	-
5/16"	7.9	18	22	18	24	M8	1.25	1
3/8"	9.5	16	20	16	24	M10	1.5	1.25
7/16"	11	14	18	14	20	-	-	-
1/2"	13	12	16	13	20	M12	1.75	1.5
9/16"	14	12	16	12	18	M14	2.0	1.5
5/8"	16	11	14	11	18	M16	2.0	1.5
3/4"	19	10	12	10	16	M20	2.5	2.0
7/8"	22	9	11	9	14	M22	2.5	2.0
1"	25	8	10	8	12	M24	3.0	2.0
1-1/8"	29	7	9	7	12	M30	3.5	3.0
1-1/4"	32	7	9	7	12	M33	3.5	3.0



Abbreviations:

IMP. = Imperial.
MM = Millimeter.
BSW = British Standard Whitworth.
BSF = British Standard Fine.
TPI = Number of threads per inch.
UNC = Unified National Coarse.
UNF = Unified National Fine.
TPI = Number of threads per inch.

CALCULATING WATTS, AMPS & DC VOLTAGE

It is simple to calculate either DC Volts, Watts or Amps provided you know the other 2 values.
Just use the appropriate formula as shown below;

Unknown Value		Known values	Example	Answer
Watts	=	Amps x Volts	2A x 12Vdc	= 24W
Amps	=	Watts / Volts	24W / 12Vdc	= 2A
DC Volts	=	Watts / Amps	24W / 2A	= 12Vdc

IGNITION PROTECTION

IGNITION PROTECTED

An electrical device that has been certified Ignition Protected is suitable for use in marine engine compartments and fuel tank spaces. There are generally two test standards accepted by the Marine Industry – SAE J1171, External Ignition Protection of Marine Electrical Devices and UL1500, Ignition- Protection Test for Marine Products. The requirements and test procedures for the two standards are similar. Essentially, three test results will allow a device to be certified IGNITION-PROTECTED.

1. The device or component is constructed so that a defined flammable hydrocarbon mixture surrounding the device will not ignite if a normal electrical arc, spark or heat source ignites the mixture inside the device.
2. Under the conditions of item 1, the device or component has insufficient energy to ignite the mixture inside the device.
3. Under the conditions of item 1, the source of ignition is hermetically sealed from the surrounding mixture.
An Ignition- Protected device is not necessarily Explosion-Proof. Explosion-Proof devices are as applied to U.S. Coast Guard inspected vessels or as defined by the National Electric Code.

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Retail Clamshell - Single Cavity



Poly Bag



Counter Displays
Modular Multi Peg



Assortment Trade Kit



Multi Cavity



DIY Boxed Kit



Retail Clamshell Packaging Index

The packaging index below lists the product types and pack quantities that are available in clamshell packaging.
To order these products in blister packaging just add the SP or AP suffix to the part number.
ie. To order a 5pc 'Spare Pack' of a 10A Minifuses (on page 15), use the part number: MIN010SP.
ie. To order a 5pc 'Assortment Pack' of Minifuses (on page 15), use the part number: MIN000AP.

Product Type Series or Description	Spare Pack (SP) Pieces per Pack	Assortment Pack (AP) Pieces per Pack	Clamshell Type	Inner Box Packs per Box	Catalogue Page Number
SFE Cartridge Fuse	5	10	Mini	10	10
AGC Cartridge Fuse	5	5	Mini	10	10
5AG Cartridge Fuse	2	–	Mini	10	12
6AC / GBC Fuse	5	5	Mini	10	12
Micro2, Micro3 & Mcase	-	16	Mini	10	35
Micro2 Fuse	5	7	Mini	10	13
Micro3 Fuse	5	4	Mini	10	13
Low Profile Minifuse	5	5	Mini	10	14
Minifuse	5	5	Mini	10	15
Minifuse LED Indicating	2	5	Mini	10	15
Autofuse	5	5	Mini	10	17
Autofuse LED Indicating	2	5	Mini	10	17
Maxifuse	1	8	Mini	10	18
Maxifuse LED Indicating	1	-	Mini	10	18
MaxiPlus Compact Maxi	2	-	Mini	10	19
Fusible Links PAL	1	-	Mini	10	20-22
Midi & Mega Fuses	1	-	Mini	10	24 -25
Battery Fuse MRBF Zcase	1	-	Mini	10	28 - 29
Lift Truck Fuse ANL	1	-	Junior	10	27
Mini & Auto Blade Breaker	1	-	Mini	10	48
Auto Blade Breaker	1	-	Mini	10	49-51
ShortStop Breaker	1	-	MiniB	10	52-53
14 & 15 Series Breaker	1	-	Mini	10	54
18 Series Breaker	1	-	Midi	1	57
Mid Range Breaker	1	-	Midi	1	63
High-Amp Breaker	1	-	Maxi	1	64-66
3AG Panel Mt. Holder	1	-	Mini	10	69
3AG Inline Fuse Holder	1	-	Junior	10	69-71
Mini & Auto Fuse Inline	1	-	Junior	10	72-77
Maxi Fuse Inline Holder	1	-	Midi	10	80
Add-A-Circuits All Styles	1	-	Junior	10	83
Midi Fuse Block	1	-	Junior	10	81-82
Battery Fuse Bar Kit	1	-	Midi	10	106
Battery Tap	1	-	Mini	10	161-162
Relays	1	-	Junior	10	164-166
Fuse Pullers	1	-	Mini	10	44
Rocker Actuators	1	-	Mini	TBA	174
Rocker Switches	1	-	TBA	TBA	174

Series/Part Nbr	Page
0	
00011	111
00011FDUK	111
00330	75
00331	75
00341	75
00352	75
00357	75
00358	44
00359	68
00380K1	82
00380K2	82
00390	79
00391	79
00392	78
00400	78
00400K1	78
00400K2	78
00400K3	78
00415	78
00420	68
00430	78
00440	78
00540K	89
00560K	89
00580K	89
00590K	88
00600K	88
00610K	88
00650	137
00655K	137
00660	137
00665K	137
00670	137
00680	137
00690	137
00691	137
00697	78
00698	78
00699	140
00700	137
00705K	137
00710	112
00940402ZP	23
00970025	44
00970026	44
00970053	44
00970054	44
01001K	79
01001K2	79
01001K3	79
01005K	79
01005K2	79
01005K3	79
0101..	96
0101881	19
01180	140
01237	140
01376	140
01400K1	72
01400K2	72
01435K	86
01460K1	138
01470K	138
01484K	138
01494K	138
01504K	138
01510K1	138
01520	140
01530	140
01550	140
01564K	138
01580	140
01590	140
01600K1	138
01601	140
01602	140
01620	140
01630	140
01650..	137
01651..	137
01655..	137
01660K1	138
01690K	138
01698K	138
01706	140
01707	140
01720BK	171
01940..	137
02050..	138
02330	78
02330K1	78
02330K2	78
02330K3	78
02400113P	14
0297900	14
02981001	100
02981028	99
0300468	111
0300552	118
0300839	118
0301..	96
0301873	118
0495900	21
04980900	94
04980903	94
04980921GXM5	81
04980933	110
04981038	98
05000BK	188
05010BK	188
05020BK	188
05021BK	188
05030BK	188
05040BK	188
05100BK	188
05110BK	188
05903300	168
05903500	168
05925..	112
06285847	186
0695900.PXPS	20
07000BK	171
07501..	89
07650..	79
07660..	79
07670..	79
07671..	79
07741..	138
07900..	78
07901..	78
07911..	137
07912..	78
07920..	78
07930..	78
07940..	78
07981002ZXS	114
07985003ZXS	115
07992..	138
07993..	138
08080200	177
08084300	183
08084400	183
08098400	177
08098700	178
08098780	178
08098800	178
08098881	178
08098882	178
08099080	178
08240..	112
08245..	112
08250..	112
08331..	138
08332..	138
08401..	138
08502..	138
08503..	138
0FHZ0005Z	108
0FHZ0009Z	108
0FHZ00853-BX	107
0FHZ00854-BX	107
0FHZ0201Z	107
0FHZ0202Z	107
0FHZ0211Z	107
0FHZ0212Z	107
1	
100132-1	93
10245	171
10246K	171
10247	171
12010300	119
12020321	92
12020400	92
12045699	110
12052455	110
12052456	110
12052457	110
12059255	119
12077411	119
12077413	119
12084201	119
12094429	186
12094430	186
12110845	133
12110846	133
12110847	133
12110853	133
12124685	110
12129409	133
12129493	119
12162067	172
121A..-A2M	52
121A..-B2M	52
121A..-B2P	52
123A..-B2P	52
1241962-1	93
1400-103..	54
1480-103..	54
1480-123..	54
14HP38	173
1500-101..	54
150322	69
150332	69
1506120	161
1506130	161
1506270	161
1506280	161
1506656	161
1506666	161
1506721	161
1506731	161
1507701	162
1507701K	162
1507704	162
1507704K	162
1507956	161
152001	80
152001KIT1	80
152001KIT2	80
152900	80
15305-1-6-3	129
15305-1-6-4	129
15305-2-6-4	130
15305-3-6-4	132
15305-4-0-4	131
15305-5-6-4	131
15305-6-6-4	131
15310..	128
15317331	172
15324980	119
15324981	119
15324982	119
15324983	119
15324987	172
15324988	172
15324989	172
15324990	172
15324991	172
15324994	119
15324995	119
15324996	119
15324997	119
15344631	119
15344632	119
15401-1-2-1-0A	134
15402-1-2-1-0A	134
15404-1-0-1-0A	134
155320U	74
155430U	74
15600..-20	87
15600..-21	87
15710-TP	92
15711..	92
15712..	92
15713..	92
15714..	92
1580-101..	54
1580-131..	54
1600-382-1	54
1600-382-2	54
1606770	162
1606785	162
1680-318-1	54
1680-330-1	54
171-P0..	62
171-P2..	62
171-S0..	60
171-S2..	60
174-P2..	62
174-S2..	60
174-S3..	61
175-P0..	62
175-P2..	62
175-S0..	60
175-S1..	61
175-S2..	60
175-S3..	61
17LED-R	60
1800E..	57
181..F	64
1810E..	57
1851500	188
1852000	188
1855500	188
1856000	188
1860500	188

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Series/Part Nbr	Page
1862000	188
187..F	66
187..P	66
191..	51
19164-0013	188
19164-0044	188
19164-0056	188
193..	51
194..	51
1-968875-1	121
1-968876-1	121
19A-P10-N..	58
19A-P21-N..	59
19M-P10-B..	58
19M-P11-B..	58
19M-P21-B..	59
1AG..	10
2	
21000	79
211..	48
212..	48
21200	79
21210	79
221..	50
222..	50
227..	49
229..	14
233..	48
2410-100..	55
2410-102..	55
24HP2151	173
251..	63
255..	63
285..F	64
285..P	65
298..	25
3	
3011ACR..	164
3011CCR..	164
3031AHCR..	164
31M..	143
31S..	142
32006..	142
32013BS	44
321-A1P..	53
321-A2P..	53
323-A2P..	53
3298..	29
32S..	142
35232480	172
3770..	136
3771BUS..	136
3AB..	11
3ABDA..	11
3AB-FF..	12
3AGDA..	11
3AGFB..	11
4	
40300	112
40310	112
40325	112
40335	112
40340	112
4164-FR	101
43010	147
43011	147
43097	149
43099	149
43192	147
43300	147
43310	147
43311	147
43401	147
43408	147
43409	147
43409BL	147
43409E	147
43433H	149
43444	148
43445H	149
43506/22	148
43509/12	148
43515	147
43516	147
43517	148
43520/24	147
43525/24	147
4358100	148
4358101	148
4358102	148
43585	148
4358630	148
435G0520	148
435G6332	148
435K0000	148
435T..	49
43621/24	147
4410480	161
4507770	78
4507771	78
4510503	162
46210..	155
46211..	155
5	
50126K	136
50135K	171
50136K	171
50153K	78
50153K1	78
533-P0..	56
7	
75920..	179
7AG..	10
8	
828904-1	121
828905-1	121
828922-1	121
868..	114
868-062-000	74
868-068	121
8711ACR..	166
8711CCR..	166
880014	97
880027	91
880028	91
880062	180
880064	181
880066	91
880073	116
880076	116
880086	169
880088	169
880089	117
880092	116
880094	117
880097	160
880103	169
880107	169
880118	160
880154	181
880175	182
880175-0001	182
880175-0002	182
880195400	113
882-267..	98
882-839..	99
890009470	121
896H1AHC1SR..	167
896H1AHCR..	166
896H1CHC1SR..	167
896H1CHCR..	166
896H1CHD1SWR..	167
896H2AHCR..	166
8971AHC1SR..	168
8971AHCR..	168
898H1AHCR..	165
898H1CHCR..	165
8AG..	10
9	
901-327	121
913-007-001	74
913-008-001	74
913-550	80
913-653	80
913-654	80
927835-1	93
927836-1	93
928966-1	93
9602450	184
9602455	184
9602460	184
9602500	184
963243-1	93
963244-1	93
963245-1	93
967011-1	93
990401K	170
990411K	170
990421K	170
990431K	170
995850	167
995870	167
999000	170
999060	170
999070	170
A	
AE2..	32
AE3..	33
AE5..	32
AE6..	34
AE7..	33
AEX..	34
AGC..	10
AGC-KIT	38
AGU..	12
ANL..	27
ANN..	27
ASF..	21
AT1..	50
ATF..-80V	16
ATFD..-32V	17
ATFD-KIT	39
ATFD-KIT2	36
ATMN000AP	35
ATOF..	17
ATOF-TAPSP	84
AUTO-KIT	39
AUTO-KIT2	36
B	
B109-7031	142
B109-7081	142
B109-7091..	95
B151-7168-1-J	133
B151-7168-2-J	133
B151-7182-1	134
B156-7003-J	62
B162-7002/J	136
B162-7003/J	136
BAT-TAP	84
BAT-TAP-POST	84
BB12M4	159
BB4M6	159
BB6M4	159
BB6M6	159
BBD12M4	159
BBD12M4S	159
BBD6M4	159
BBD6M4S	159
BBS..	12
BC800	68
BFR063-38-M6	103
BFR071-46-M8	103
BFR094-45-M8	103
BFR099-70-M10	103
BFR106-46-M8	103
BFR116-72-M10	103
BH114-1C	102
BH114-1M	102
BH114-CN	102
BHR030-15-M5	94
BHR059-25-M8	101
BHR061-25-M10	101
BLADE-KIT300	42
BMS-1	176
BMS-2	176
BPDMA104HXF1	119
BTF..	22
BTF-1P..	30
BTF-2P..	30
BTF-3P..	30
BTF-5P..	30
C	
C14-1003	156
C1925..	153
C1933..	152
C1938..	153
C2791..	153
C4559..	151
C5237..	151
C5268..	102
CAB2.0X300..	186
CAB2.0X85..	186
CBBB..	52
CBBP	52
CBBR	52
CDJ000AP	35
CFA-KIT	42
CFBAR..	106
CFH-ALE	120
CFH-ALS	120
CFH-ASE	120
CFH-ASS	120
CRIMPER-04	184
CT-JA18B	185
CT-P78	185
D	
DMM..	12

Series/Part Nbr	Page
F	
FB4-ATR	86
FB6-ATR	86
FBM..	23
FBT..	26
FBTB-LN	101
FC-ATOH	68
FC-ATOV	68
FCB-25	68
FCB-26	68
FC-MAXV	68
FC-MINH	68
FC-MINV	68
FDGM000AP	35
FH-302	74
FHA200	83
FHA200K	83
FHAC..	76
FHAC..CLR	76
FHC002	72
FHC200	83
FHC200K	83
FHD200	83
FHD200K	83
FHJC..	81
FHL002	72
FHL200	83
FHL200K	83
FHM001	73
FHM001CLR	73
FHM002	73
FHM002CLR	73
FHM200	83
FHM200K	83
FHU002L	77
FHZ210	109
FHZ310	109
FHZ410	109
FLEC3000Z-0	145
FLEC3000Z-0U	145
FMG..	100
FP-2	44
FP-7AM	44
FP-A3	44
FRH-A12-MB-A2	124
FRH-A12-T	124
FRH-A24	124
FRH-A24-C	124
FRH-A-CPA	124
FSC-AUTO	85
FSCLA-KIT	85
FSCL-KIT	85
FSC-MINI	85
FT-3	44
FUSE-CADDY1	43
FUSE-CADDY2	43
G	
GB3000..	154
GBC..	12
H	
HFA-R	70
HFB-R	71
HHB-R	71
HHL	73
HHN	70
HHR	77
HHRL	77
HRJ	70
HTB..	69
HYD000AP	35
J	
J201-J	150
J301-J	150
JB3816..	152
JB51618..	152
JBDBM..	158
JBDM..	158
JBDPM..	158
JBSM..	158
JCASE-KIT15	40
JCU-3P-000-P	110
JJN..	31
JTF..	21
K	
KTK..	12
L	
LBF..	22
LFLX0006Z-01	146
LFMX0007Z-01	144
LHF..	21
LINK-KIT36	42
LJC..	20
LMG2-1-001	113
LMG3-1-001	113
LMG5-1-001	113
LMII..	95
LPJCASE-KIT25	40
LPM..	14
LPM-KIT	38
LPM-KIT2	36
LSCR..	104
M	
MAHC0001	80
MAX..	18
MAX..-58V	19
MAXD..	18
MAXD-KIT	39
MAXI-KIT	39
MAXP..	19
MCASE-KIT	40
MCASEPS-KIT	40
MCPS..	20
MEG..	25
MEG..-70V	25
MEGA-KIT2	41
MFHC	80
MFHCLR6	80
MFP12SC	90
MFP12SCGTP	90
MFP6SC	90
MFP6SCGTP	90
MICR000AP	35
MICR2..	13
MICR2+3-KIT	37
MICR2-KIT	37
MICR2-KIT2	36
MICR3..	13
MICROASST-KIT	37
MID..-32V	24
MID..-58VM6	24
MIDFBB	82
MIDI-KIT2	41
MIDIPRO-KIT	41
MIN..	15
MIN..-58V	16
MIND..	15
MIND-KIT	38
MIND-KIT2	36
MINI-KIT	38
MINI-KIT2	36
MIN-TAPSP	84
MJC..	20
MMF..	12
MPF..	23
MRBF..	28
MRBF-KIT	41
MT103212PPHS	92
MUSB..	30
MVECCCK	143
MX150FK6	116
N	
NO.761	165
NO.762	165
NO-727-LED	165
NO-758-LED	165
NO-759-LED	165
NO-760-LED	165
NO-762-LED	165
NSN000AP	35
O	
OJ6-J	150
OJ7-J	150
OR-022	156
P	
PDBFS..	149
PDM31001ZXM	122
PDM33003ZXM	121
PDM61001ZXM	93
PDM71003ZXM	123
PDMKIT101	119
PDMKIT-163T	129
PDMKIT-164T	129
PDMKIT-264T	130
PDMKIT311	122
PDMKIT312	122
PDMKIT331	121
PDMKIT-364T	132
PDMKIT-404T	131
PDMKIT424	124
PDMKIT-564T	131
PDMKIT611	93
PDMKIT-664T	131
PDMKIT711	123
PDMKIT712	123
PDMKITALS1	120
PDMKITASS1	120
PDM-R3AC1	125
PDM-S3AC1	126
PDM-SCT	125
PDM-STI	126
PDM-TK	124
PDM-TTI	125
PDM-U3AC1	127
PDM-UTI	127
POWCAL..	26
PROBRK001	128
PROBRK002	133
PROBRK003	134
PROBRK007K	92
PROBRK008K	128
PROBRK017	62
PROBRK018A	57
PROPNLI4S12WB	173
PROPNLI4V4WSB	175
PROPNLI4V6WSB	175
PROPNLI4V8WSB	175
PROPNL24S4WB	173
PROPNL24S6WB	173
PTB-12B-02	157
PTB-12C-01	157
PTB-14D-05	156
PTB-38A-02	156
PTR-12B-02	157
PTR-12C-01	157
PTR-14D-05	156
PTR-38A-02	156
PTSR-A	172
PTSR-KIT	172
PTSR-T	172
S	
SBF..	22
SFE..	10
SHF..	21
SW316S	92
T	
TB200..	150
TB300..	150
TERMKIT001	187
TERMKIT002	187
TERMKIT003	187
TERMKIT004	187
TYT000AP	35
U	
UCB..	51
V	
V1D1001	174
V2D1001	174
V8D1001	174
VA9C002	174
VA9C003	174
VAAC..	174
VCH01-K	174
VHP01	175
VME01	174
VMM01	174
VMS01	174
VPS	174
VRT	174
VVPZC00-000	174
X	
XTCK4	116

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CATALOGUE SYMBOLS

PROLEC

NEW — New Product

UPDATED — Updated Product

SILVER PLATED — Silver Plated

IP66 — Ingress Protection
IP chart see page 193

MIL-STD — Military Standard / Grade

IGNITION PROTECTED — Ignition Protected

DIY — Do It Yourself

EV — Electric Vehicle Application
500V, 800V, 850V, 1000V.

Information

VIDEO — Video Content

QR Code

QR Code: 9999

Scan this for more information

INTERNATIONAL APPROVAL MARKINGS

Certified Product — Australian Standard — AS (Australia) Australian Standard

ABYC American Boat & Yacht Council

AEC Automotive Electronics Council

USCG US Coast Guard

CSA (Canada)

UL (Canada)

UL (Canada & USA)

UL (USA)

UR (Canada)

UR (Canada & USA)

UR (USA)

SAE (International)

CCC (China)

CQC (China)

KTL (Korea)

METI (Japan)

JASO JASO (Japan)

JSAE (Japan)

SEMKO (Sweden)

CE (EU)

DIN (Germany)

IEC (Global)

TÜV (Germany)

ROHS (China)

RoHS — ROHS (EU)

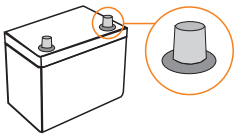
REACH — REACH (EU)

Pb — Lead Free

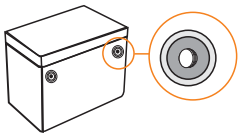
HF — Halogen Free

AUTOMOTIVE BATTERY TERMINAL TYPES

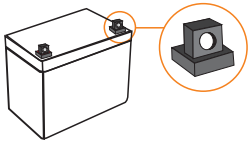
TOP POST
Cone Shape

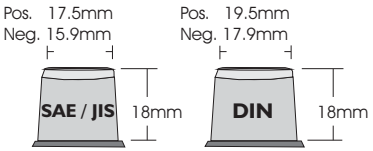


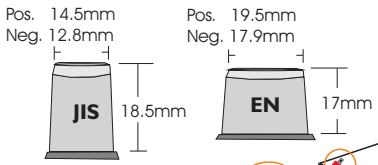
SIDE TERMINAL
Threaded Terminal
3/8"-16
Positive & Negative



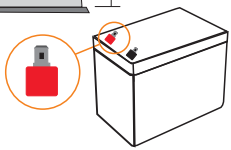
FLAG TERMINAL
Nut and Bolt Fixing





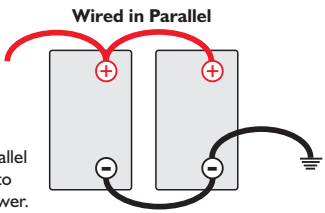


FASTON TERMINAL
Quick Connect Terminal
F1 4.8mm, F2 6.35mm



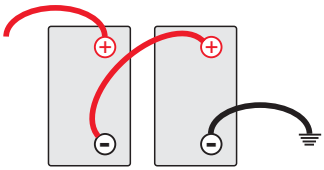
BATTERY PAIRING

Wired in Parallel



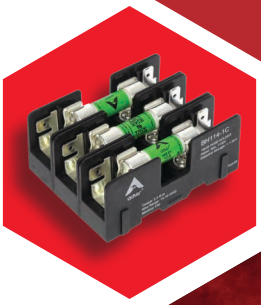
Combine batteries in parallel to create a battery bank to increase your storage power.

Wired in Series



Combine 2 x 12V batteries in series increases your voltage to 24V.

INFORMATION









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