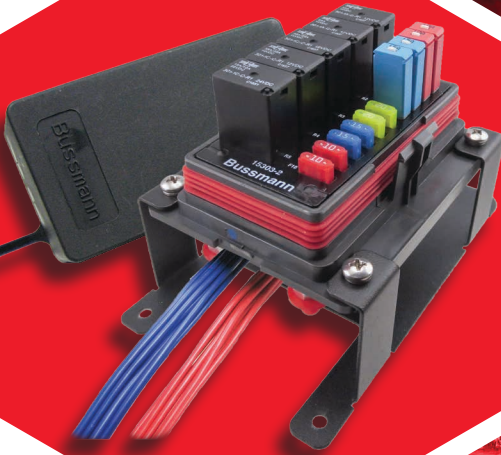




Circuit Protection & Power Distribution Catalogue 6th Edition



PROLEC

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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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. Manufacturers data sheets are also available upon request.



MEMBER ORGANIZATIONS



Prolec is a proud supporter and member of the following industry organisations which are the voice for automotive industry which includes component design, parts manufacturers, wholesalers, distributors, independent service and repair workshops and retailers.



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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.

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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.

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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.

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HOLDERS

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POWER
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RELAYS &
SWITCHES

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INFORMATION
& PART INDEX



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



Fuses, Fuse Kits & Fuse Pullers

The original and still the best.

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Fuse Selection Chart

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Fuses

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6.35 x 25.4mm (8AG- AGX) 32V	10
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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
IAG & 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	630mA to 20A	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	25A 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	20A 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	40A 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	30A to 60A	1kA at 32VDC-58VDC	-	-	23
Battery Term Fuse	Slow	60A to 200A	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 700A	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
FWH	Very Fast	35A to 800A	50kA at 500VDC	-	-	^
FWP	Very Fast	35A to 800A	50kA at 700VDC	-	-	^
FWJ	Very Fast	35A to 800A	50kA at 800VDC	-	-	^
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:

- It will not ignite a flammable hydrocarbon mixture surrounding the device when an ignition source causes an internal explosion, or
- It is incapable of releasing sufficient electrical or thermal energy to ignite a hydrocarbon mixture, or
- 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.

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 & Maxifuse**
(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 Strip**
Element Only
(Page 23)



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



- 11 Megafuses**
Bolted Tag
(Pages 25)



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



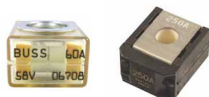
- 13 Battery Fuse Strip**
Slotted Tag M10
(Page 26)



- 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 MSD Fuses**
Threaded
(Contact Sales)



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



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



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



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



SFE GLASS CARTRIDGE FUSES 32V

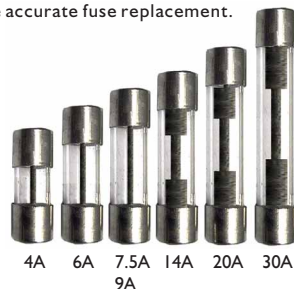


SFE fast acting automotive glass cartridge fuses are similar to the "AG" style fuses in that they have the same diameter however the length varies according to ampere rating to ensure accurate fuse replacement.

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			



Assortment Pack



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

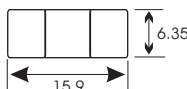
FUSES + KITS

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



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

1AG / AGA



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

7AG / AGW



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

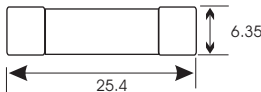
Voltage: 32VAC / 32VDC (Factory certified)
Characteristic: Fast Acting
Pack Size: 5, 10, 100

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



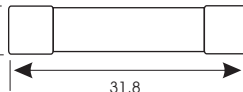
Part Number	Part Number	Ampere Rating
8AG001	AGC001R	1A
8AG002	AGC002R	2A
8AG003	AGC003R	3A
8AG004	AGC004R	4A
8AG005	AGC005R	5A
8AG006	AGC006R	6A
8AG07.5	AGC07.5R	7.5A
8AG008	AGC008R	8A
8AG010	AGC010R	10A
8AG015	AGC015R	15A
8AG020	AGC020R	20A
8AG025	AGC025R	25A
8AG030	AGC030R	30A
8AG035	AGC035R	35A
-	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



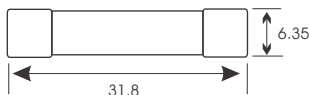
Fuse Puller
(see p.44)



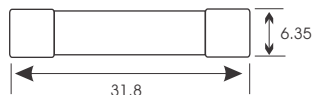
Fuse Assortment Trade Kits
(see p.38)



Fuse Holders
(see p.69 - 71)



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:

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:

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



Nickel Plated Part Number	Gold Plated Part Number	Ampere Rating
AGU010	-	10A
AGU015	AGU015GP	15A
AGU020	-	20A
AGU025	-	25A
AGU030	AGU030GP	30A
AGU035	AGU035GP	35A
AGU040	-	40A
AGU050	AGU050GP	50A
AGU060	-	60A



Nickel Plated



Gold Plated



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



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



DMM.440



APE



MMF



Characteristic: Fast acting

Pack Size (box): 1, 10, 100

6AC (GBC) EUROPEAN TORPEDO FUSE 32V



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



Voltage: 32VAC / 32VDC

Characteristic: Fast Acting

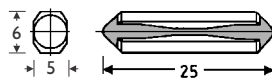
Body: Thermoplastic, colour coded.

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.



Dimensions in MM










MICRO2 FUSE SINGLE ELEMENT 32V

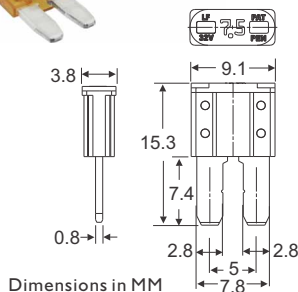
Littelfuse

**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		 Assortment Pack
5A, 7.5A, 10A, 15A, 20A, 25A, 30A			




Voltage: 32VDC **I.R.:** 1000A at 32VDC

Characteristic: Fast Acting

Terminals: Zinc alloy, silver plated.

Pack Size: 5, 10, 100, 500

Approvals: SAE 274 I and ISO 8820-4. 

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		 Assortment Pack
5A, 7.5A, 10A, 15A			





Voltage: 32VDC **I.R.:** 1000A at 32VDC

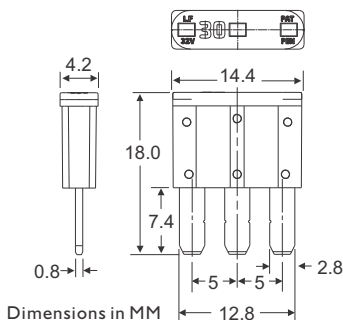
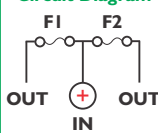
Characteristic: Fast Acting

Terminals: Zinc alloy, silver plated.

Pack Size: 5, 10, 100, 500

Approvals: 

Circuit Diagram



Fuse Puller
(see p.44)



Assortment Kit
(see p.37)



Add-a-circuit
(see p.83)

PROLEC

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

LOW PROFILE MINI FUSE 58V



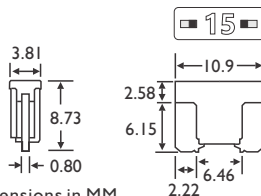
**SILVER
PLATED**

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



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

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



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
02400113P	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

Voltage: 12VDC or 24VDC

Materials: (02400113P) 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.

Scan this
QR Code
for more
information



QR Code: 3001



Shunt
0297900



Diode
02400113P



Diode
22903-6



Diode
22903-6V



Resistor
22902-68



Transorb
22901-1.5

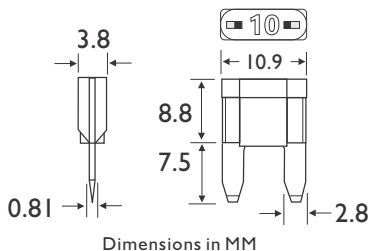
MINI FUSE 32V



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



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

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 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 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	

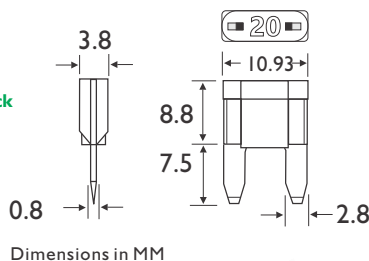
Assortment Pack



Normal state



Open fuse



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

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)

PROLEC

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

MINI FUSE 58V



NEW
SILVER PLATED

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

Voltage: 58VDC

I.R.: 1000A at 58VDC

Characteristic: Fast Acting

Terminals: Zinc alloy, silver plated.

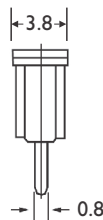
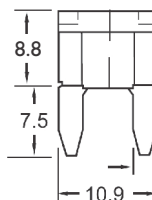
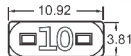
Pack Size: 5, 10, 100, 500, 1000, 3000

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



Dimensions in MM

RELATED

PRODUCTS:



Fuse Puller
(see p.44)



Power Dist. Modules
(see p.119 - 146)

AUTO FUSE 80V

PROLEC

NEW

Part Number	Ampere Rating	Body Colour
ATF500-80V	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

Voltage: 80VDC

I.R.: 1000A at 80VDC

Characteristic: Fast Acting

Terminals: Copper alloy, tin plated.

Pack Size: 10, 50, 100, 500, 1000

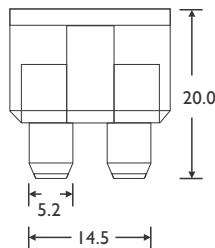
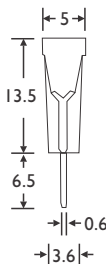
Holders: Fuse Clips, Fuse Blocks, Fused Terminal Blocks.

Product Options: 58VDC & 125VDC versions.

Slotted body design also available.

Notes: *Please contact sales for specifications.

Approvals:



Dimensions in MM

RELATED

PRODUCTS:



Fuse Puller
(see p.44)



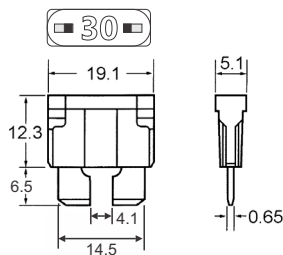
Power Dist. Modules
(see p.93)

AUTO FUSE 32V



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

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



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	

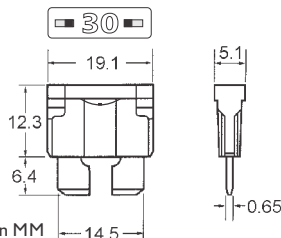
Assortment Pack



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

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)





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

MAXI FUSE 32V



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		

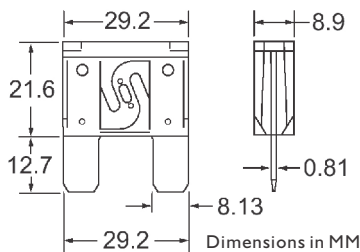


Assortment Pack

NEW



SILVER PLATED



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

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



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.

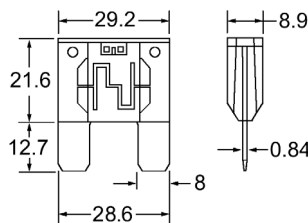
Part Number	Ampere Rating	Body Colour	
MAXD020	20A	Yellow	■
MAXD030	30A	Green	■
MAXD040	40A	Orange	■
MAXD050	50A	Red	■
MAXD060	60A	Blue	■
MAXD070	70A	Tan	■
MAXD080	80A	Natural	■
MAXD100	100A	Violet	■



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.

RELATED PRODUCTS:



Clear Cover Inline Fuse Holder
(see p.80)



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

MAXI FUSE 58V



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.

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

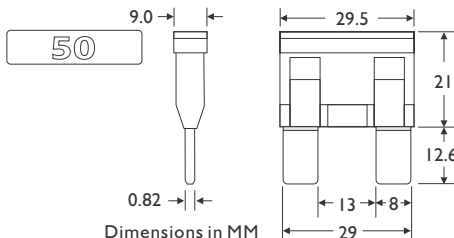
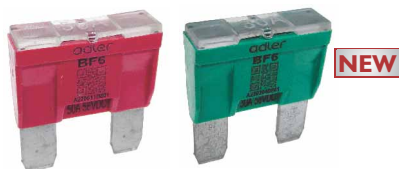
Temperature Range: -40°C to +105°C

Features: Element window.

Terminals: Zinc alloy.

Pack Size: 100, 500, 1000.

Complies With: ISO 8820-3



FUSES + KITS

MAXICOMPACT FUSE 32V



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.



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



Assortment Pack



Voltage: 32VDC **I.R.:** 1000A at 32VDC

Characteristic: Slow Acting

Temperature Range: -40°C to +125°C

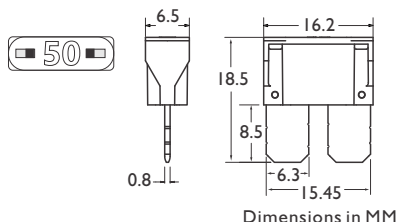
Terminals: Zinc alloy, silver plated.

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



RELATED PRODUCTS:



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



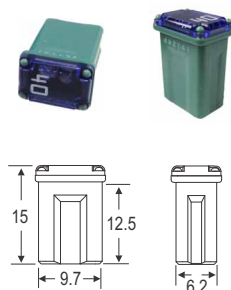
Email: info@prolecproducts.com.au
Web: www.prolecproducts.com.au

MCASE UNSLOTTED FUSE LINKS 32V



2.8mm Term.	Ampere Rating	Body Colour
Part Number	Rating	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	

Assortment Pack



Dimensions in MM

Voltage: 32VDC **I.R.:** 1000A at 32VDC

Fuse Characteristic: Slow Acting

Pack Size: 1, 10, 100, 2000

Approvals: RoHS



Mc case Adaptor
Converts to Minifuse
(# 875-584)

RELATED

PRODUCTS: Fuse Puller
(see p.44)

Assortment Kit
(see p.40)

MCASE SLOTTED FUSE LINKS 32V

NEW

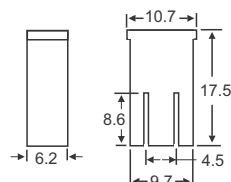
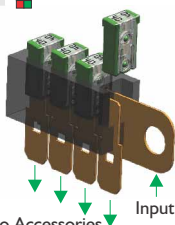


6.35mm Term.	Ampere Rating	Body Colour
Part Number	Rating	Colour
MCPS015	15A	Grey
MCPS020	20A	Lt. Blue
MCPS025	25A	White
MCPS030	30A	Pink
MCPS040	40A	Green
MCPS050	50A	Red
MCPS060	60A	Yellow
0695900.PXPS	50A Shunt ST	Black
MCPS000AP	Assortment Pack 7pcs	
	15A, 20A, 25A, 30A, 40A, 50A, 60A	

Assortment Pack

Mc case
Slotted Shunt

Mc case
Slotted Fuse



Dimensions in MM

Voltage: 32VDC **I.R.:** 1000A at 32VDC

Fuse Characteristic: Slow Acting

Pack Size: 1, 10, 100, 2000

Holders: MiniFLEC see p.144

Notes: The Mc case Slotted fuse can be mounted directly onto a comb busbar.

Approvals: RoHS

Outputs to Accessories ↓ Input Busbar

LOW PROFILE JCASE FUSE LINKS 58V



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

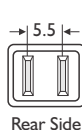
Voltage: 58VDC **I.R.:** 1000A at 58VDC

Characteristic: Slow Acting

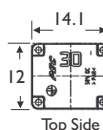
Pack Size: 1, 10, 100

Holders: Inline, Panel Mount & Modules.

Approvals: RoHS



Rear Side



Top Side



Dimensions in MM

JCASE FUSE LINK 32V



Part Number	Ampere Rating	Body Colour	
JTF020	20A	Lt. Blue	NEW
JTF025	25A	White	
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

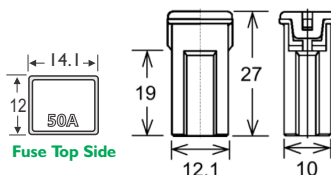
Fuse Characteristic: Slow Acting

Shunt: 50A Max Continuous Load Rating (ST)

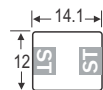
Holders: Inline & Power Fuse / Relay Dist. Module.

Pack Size: 1, 10, 100, 500

Approvals: ISO 8820 / JASO D612 RoHS



Fuse Top Side



Shunt Top Side



Rear Side

JCASE Fuse

JCASE Shunt

RELATED PRODUCTS:



Assortment Kit
(see p.40)



Inline Holders
(see p.81)

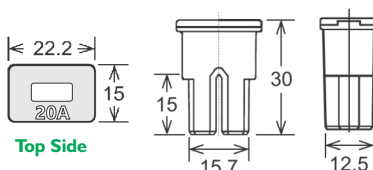


Power Distribution
(see p.110, 119, 136 & 139)

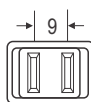
LARGE FUSE LINK 32V



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	



Top Side



Rear Side

Voltage: 32VDC **I.R.:** 1000A at 32VDC

Characteristic: Slow Acting

Pack Size: 1, 10, 100, 500

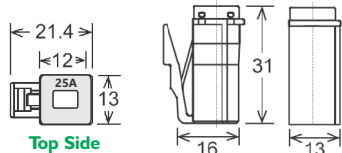
Approvals: ISO 8820 / JASO D612 RoHS

Dimensions in MM

FUSE LINK WITH LOCK 32V



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	



Top Side

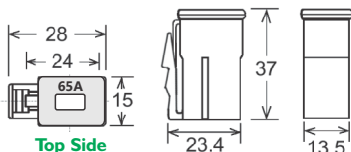
Small Body

Voltage: 32VDC **I.R.:** 1000A at 32VDC

Characteristic: Slow Acting

Pack Size: 1, 10, 100

Approvals: ISO 8820 / JASO D612 RoHS



Top Side

Large Body

FUSE LINK BENT MALE TERMINAL 32V



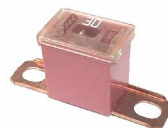
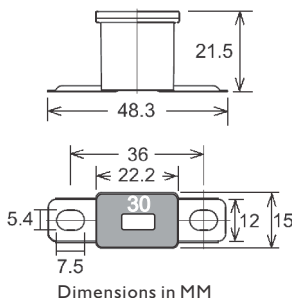
Small Body Part Number	Ampere Rating	Body Type	Body Colour
SBF030	30A	Small	Pink
SBF040	40A	Small	Green
SBF050	50A	Small	Red
SBF060	60A	Small	Yellow
SBF070	70A	Small	Brown
SBF080	80A	Small	Black
SBF100	100A	Small	Blue
SBF120	120A	Small	White
SBF140	140A	Small	Maroon

Voltage: 32VDC **I.R.:** 1000A at 32VDC

Characteristic: Slow Acting

Pack Size: 1, 10, 100

Approvals: ISO 8820 / JASO D612 RoHS



**Small Body
36mm Fixing**

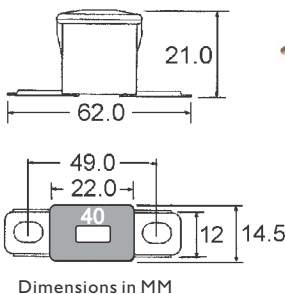
Large Body Part Number	Ampere Rating	Body Type	Body Colour
LBF030	30A	Large	Pink
LBF040	40A	Large	Green
LBF050	50A	Large	Red
LBF060	60A	Large	Yellow
LBF070	70A	Large	Brown
LBF080	80A	Large	Black
LBF100	100A	Large	Blue
LBF120	120A	Large	White
LBF140	140A	Large	Maroon

Voltage: 32VDC **I.R.:** 1000A at 32VDC

Characteristic: Slow Acting

Pack Size: 1, 10, 100

Approvals: ISO 8820 / JASO D612 RoHS



**Large Body
49mm Fixing**

FUSE LINK STRAIGHT MALE TERMINAL 32V



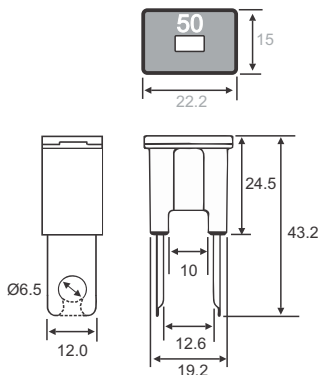
Bolt Hole Terminal Part Number	Cut Out Terminal Part Number	Ampere Rating	Body Colour
BTF030	BTCF030	30A	Pink
BTF040	BTCF040	40A	Green
BTF050	BTCF050	50A	Red
BTF060	BTCF060	60A	Yellow
BTF070	BTCF070	70A	Brown
BTF080	BTCF080	80A	Black
BTF100	BTCF100	100A	Blue
BTF120	BTCF120	120A	White
BTF140	BTCF140	140A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

Voltage: 32VDC **I.R.:** 1000A at 32VDC

Characteristic: Slow Acting

Pack Size: 1, 5, 10, 100

Approvals: ISO 8820 / JASO D612 RoHS



**BTF Series
Circular Hole**

NEW



**BTCF Series
Cut Out Hole**

MULTI-POLE FUSE LINKS (3-IN-1) 32V & 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, Lexus, Nissan and Toyota vehicles manufactured since 2002.

NEW

Part Number	Ampere Ratings	Voltage	Colour Code
MPF-433X	40A + 30A + 30A	32VDC	Pink
MPF-444X	40A + 40A + 40A	32VDC	Green
MPF-533X	50A + 30A + 30A	32VDC	Red
MPF-534X	50A + 30A + 40A	32VDC	Blue
MPF-633X	60A + 30A + 30A	32VDC	Yellow

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



MPF (32VDC)
32.6 x 15.6 x 28mm
(L x W x H)



MPF2 (58VDC)
28.5 x 16 x 16mm
(L x W x H)

Voltage: See table

I.R.: 1000A at rated voltage

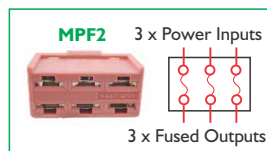
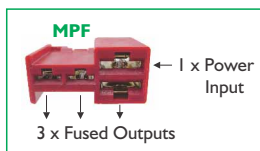
Element: Copper Alloy

Feature: Element Window

Housing Flammability: UL 94

Pack Size: Varies, please contact sales.

Approvals: ISO8820-4, JASO D612-4 RoHS

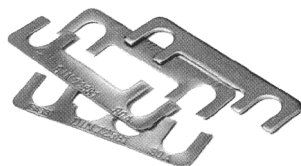


FUSE STRIP LUG TYPE WITHOUT HOUSING 36V

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



Voltage: 36VDC **I.R.:** 625A

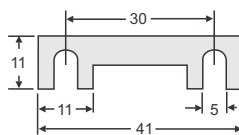
Material: Zinc **Mounting:** M5 studs.

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



Dimensions in MM

FUSE STRIP RING TYPE WITHOUT HOUSING 32V

Littelfuse

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

NEW

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

Voltage: 32VDC **I.R.:** 1000A

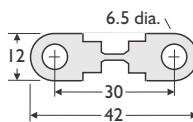
Material: Zinc Alloy **Mounting:** M6 studs.

Notes: Can be replaced by Midi fuse 58V M6 (see p.24)

Approvals: DIN 72581/2 RoHS



Assortment Pack



Dimensions in MM



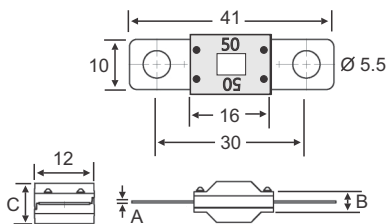
PROLEC

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

Features:

- Space saving fuse provides for high current wiring protection.
- Bolted fixing ensures optimum electrical connection.
- Low to high amperage ratings.

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



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 stud only.

I.R.: 2kA at 32VDC. **Voltage:** 32VDC

Characteristic: Slow Acting

Features: Element window (except 23A).

Terminal: Tin plated copper.

Options: Shunt Midi, contact sales.

Holders: In-line, Fuse Blocks & Fused Power Distribution Units.

Pack Size: 1, 10, 100, 500, 1000

Notes: * Short circuit protector only.

Approvals: ISO 8820-5 RoHS

RELATED PRODUCTS:



Fuse Assortment Kit
(see p.41)



Inline Fuse Holder
(see p.81 - 82)



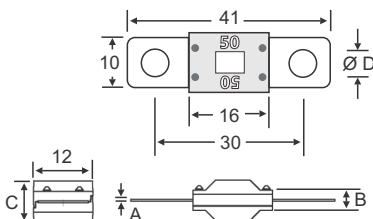
Fuse Blocks & PDM
(see p.94 - 118)

MIDI FUSE M5 & M6 58V

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



NEW



Dimensions in MM

Amp Ratings	A	B	C	D
20A-80A	0.41	4.0	8.0	5.4
100A-200A	0.63	4.3	8.3	6.2

Mounting: M5 or M6 stud.

I.R.: 1.5kA at 32VDC and 1.0kA at 58VDC

Characteristic: Slow Acting.

Features: Element window (except 20A).

Terminal: Tin plated copper.

Options: 70V version M6 - 36mm fixing centers -70VSF36.

Pack Size: 1, 10, 100, 500, 1000

Approvals: ISO 8820-5 RoHS

RELATED PRODUCTS:



Inline Fuse Holder
(see p.81 - 82)



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



Fused PDMs
(see p.110 - 117)



Fused PDMs
(see p.110 - 117)

MEGA FUSE RIVETED 32V



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

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

Voltage: 32VDC **I.R.:** 2kA at 32VDC.

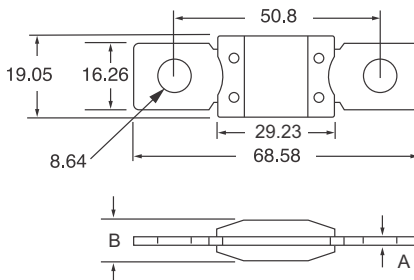
Characteristic: Slow Acting * Short circuit protectors only.

Terminals: 40A & 60A Silver Plated Brass, 80A - 500A Copper.

Mounting: M8 or 5/16" studs.

Pack Size: 1, 10, 100, 500

Approvals: ISO 8820-5 RoHS



Dimensions in MM

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

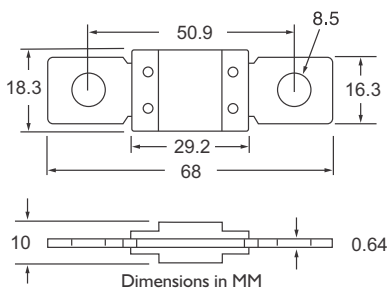
FUSES + KITS

MEGAFUSE 32V & 70V

PROLEC

NEW

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



Voltage (32VDC): I.R.: 1.0kA at 32VDC

Voltage (70VDC): I.R.: 2.5kA at 70VDC

Characteristic: Slow Acting

Pack Size: 1, 10, 100, 400

Mounting: M8 or 5/16" studs.

Approvals: ISO 20934 RoHS



Inline Fuse Holder
(see p.82)



Fuse Blocks
(see p.96 - 101)



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



Fused PDM's
(see p.113 - 115)



Fuse Kit
(see p.41)

RELATED PRODUCTS:

PROLEC

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

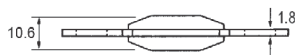
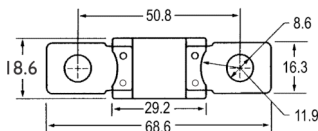
POWERVAL CALIBRE FUSE 32V



- 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	Minimum Melting Current	Maximum 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

Holders: Inline, Fuse Blocks, Power Dist. Unit.

Approvals:

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

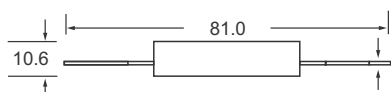
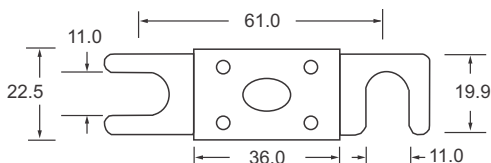
FUSE STRIP WITH HOUSING 48V - 80V



Part Number	Ampere Rating		Part Number	Ampere Rating
FBT030	30A	NEW	FBT250	250A
FBT035	35A		FBT275	275A
FBT040	40A		FBT300	300A
FBT050	50A		FBT325	325A
FBT060	60A		FBT350	350A
FBT080	80A		FBT355	355A
FBT100	100A		FBT400	400A
FBT125	125A		FBT425	425A
FBT130	130A		FBT500	500A
FBT150	150A		FBT600	600A
FBT175	175A		FBT675	675A
FBT200	200A		FBT750	750A
FBT225	225A		FBT800	800A



Straight Fork and 90 Degree Type Lugs



Dimensions in MM

1.0 (<325A)
1.5 (<600A)
2.0 (<800A)

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

RELATED PRODUCTS:



Fuse Block & Cover
(see p.101)



Fuse Block
(see p.101)

ANL LIFT TRUCK FUSES 80V

Forklift truck and 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, and other DC battery operated systems. Rugged construction and stud mounted bolt-in design assure a long life in adverse conditions.

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.: 6kA (35A to 500A, 32VAC), 2.7kA (600A to 750A, 32VAC)
2.7kA (All ratings, 80VDC)

Voltage: 32VAC / 80VDC

Characteristic: Fast Acting

Features: Ignition Proof (<500A). Silver plated copper link.

Mounting: M8 or 5/16" studs

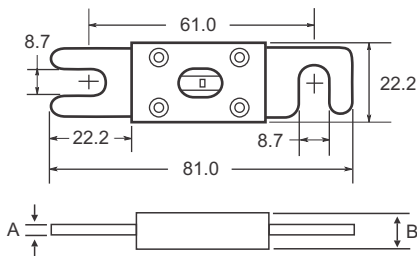
Features: Element visible inspection mica window.

Holders: Block. **Pack Size:** 1, 5, 10, 100

Approvals: SAE Ignition Protected (35A to 500A)
RoHS (600A, 675A & 750A ratings)

RELATED

PRODUCTS: Fuse Block
(see p.101)



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

ANN LIFT TRUCK FUSES 80V

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.

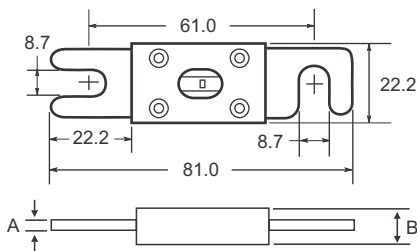
Holders: Block. **Pack Size:** 1, 5, 10, 100

Notes: ANN series is not ignition proof

Approvals: (35A-400A, 500A DC only)

RELATED

PRODUCTS: Fuse Block
(see p.101)



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

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.

IP66 **IGNITION PROTECTED**



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

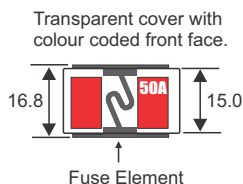
Ring Terminals: Tin plated

Holders: Battery Fuse Bar.

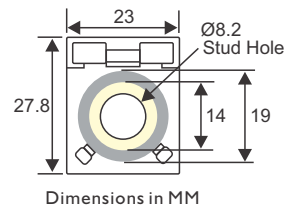
Mounting: 1/4"-20 or M8 studs

Approvals: ISO8820-6 **SAE**

Side View



Top View



Dimensions in MM

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)

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 be used for full wire protection. Higher fuse ratings mostly used for typically Starter Fuse application as a protector fuse. The fuse can be 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.

M8 Part Number	Ampere Rating	Wire Size
3298040	40A	4mm ²
3298060	60A	6mm ²
3298080	80A	10mm ²
3298100	100A	16mm ²
3298125	125A	16mm ²
3298150	150A	25mm ²
3298175	175A	25mm ²
3298200	200A	35mm ²
3298225	225A	35mm ²
3298250	250A	50mm ²
3298300	300A	35mm ²
3298350	350A	35mm ²
3298400	400A	50mm ²
3298500	500A	50mm ²
3298600	600A	50mm ²
3298900	Shunt	50mm ²

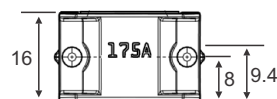
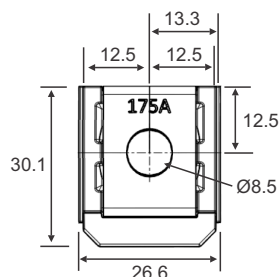
NEW



ZCASE Shunt



ZCASE Fuse



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.

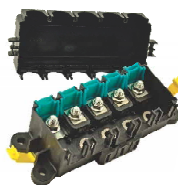
RELATED PRODUCTS:



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

EATON Bussmann

NEW

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	Nbr. Poles	Ampere Ratings
BTF-1P-80	1	80A
BTF-1P-100	1	100A
BTF-1P-120	1	120A
BTF-1P-140	1	140A
BTF-2P-180120	2	180A, 120A
BTF-2P-200100	2	200A, 100A
BTF-2P-250125	2	250A, 125A
BTF-3P-1206080	3	120A, 60A, 80A
BTF-3P-1208080	3	120A, 80A, 80A
BTF-5P-1010868	5	100A, 100A, 80A, 60A, 80A
BTF-5P-1210868	5	120A, 100A, 80A, 60A, 80A
BTF-5P-141010108	5	140A, 100A, 100A, 100A, 80A
BTF-5P-25010888	5	250A, 100A, 80A, 80A, 80A
BTF-5P-225106108	5	225A, 100A, 60A, 100A, 80A

Voltage: 32VDC

I.R.: 1000A at 32VDC

Operating Temperature: -40°C to +120°C.

Body: PS-S-GF35

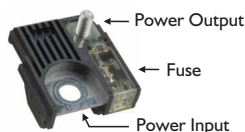
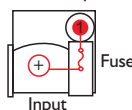
Element: Copper Alloy

Clear Fuse Cover: Amp stamp

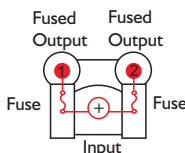
Pack Size: 1, 3, 5

Approvals: ISO8820-4, JASO D612-4 **RoHS**

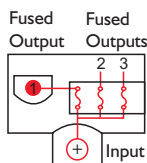
Fused Output



BTF-1P



BTF-2P



BTF-3P



BTF-5P Contact sales for circuit diagram.

MULTI SLOW BLOW FUSES 32V

EATON Bussmann

NEW

The new line of Bussmann series multi slow-blow fuses address the automotive manufacturers' move to design custom circuit protection technology for their vehicles.

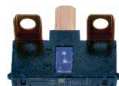
Part Number	Nbr. Poles	Ampere Ratings
MUSB-A1	2	100A, 70A
MUSB-A2	2	120A, 70A
MUSB-A3	2	100A, 40A
MUSB-A4	2	120A, 40A
MUSB-L1-2	6	70A, 30A, 40A, 20A, 30A, 100A
MUSB-L1-4	6	70A, 40A, 20A, 40A, 30A, 120A
MUSB-L3-1	4	20A, 20A, 20A, 20A
MUSB-L3-3	4	30A, 30A, 30A, 30A
MUSB-L3-5	4	30A, 40A, 30A, 40A
MUSB-M2-1	11	50A, 60A, 60A, 30A, 30A, 30A, 30A, 40A, 30A, 20A, 20A
MUSB-M4-1	10	50A, 60A, 60A, 50A, 30A, 30A, 40A, 30A, 30A, 40A
MUSB-T1	4	125A, 100A, 325A, Shunt
MUSB-T4	4	125A, 80A, 300A, Shunt
MUSB-T5	4	Shunt, 285A, 200A, 125A

Voltage: 32VDC

I.R.: 1000A at 32VDC

Clear Fuse Cover: Element window

Pack Size: To be confirmed.



MUSB-A



MUSB-L3



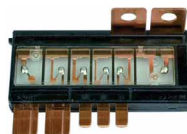
MUSB-M2



MUSB-T



MUSB-M4

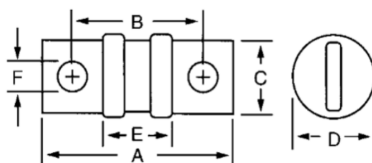


MUSB-L1

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.
- Small footprint allows more efficient use of available space.

Part Number	Ampere Rating	Part Number	Ampere Rating
JJN070	70A	JJN300	300A
JJN080	80A	JJN350	350A
JJN090	90A	JJN400	400A
JJN100	100A	JJN450	450A
JJN110	110A	JJN500	500A
JJN125	125A	JJN600	600A
JJN150	150A	JJN700	700A
JJN175	175A	JJN800	800A
JJN200	200A	JJN1000	1000A
JJN225	225A	JJN1200	1200A
JJN250	250A		



Voltage VDC: 160VDC (70A to 600A), 170VDC (700A to 1200A)

I.R.: 20kA at 160VDC (70A to 600A), 100kA (700A to 1200A)

Voltage VAC: 300VAC **I.R.:** 200kA at 300VAC

Characteristic: Very fast acting

Extended Ratings: 1A-60A contact sales.

Pack Size: Varies 1, 5, 10.

Approvals:

RELATED PRODUCTS:

Modular 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	101.7	64.3	50.8	TBC	27.5	15.5
1200A	101.7	64.3	50.8	TBC	27.5	15.5

ELECTRIC VEHICLE FUSES - INTRODUCTION



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.

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 8820-8 and JASO D622. 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.

SMD, PCB, Cartridge Fuses Fuse Blocks & Fuse Clips



Amperage & Voltage Range

30A - 800A @ 80Vdc
40A - 500A @ 70Vdc
10A - 50A @ 200Vdc
1A - 50A @ 500Vdc
5A - 50A @ 850Vdc
0.8A - 60A @ 1000Vdc

Flush Tag Fuses Fuse Blocks



Amperage & Voltage Range

10A - 700A @ 200Vdc
10A - 400A @ 500Vdc
100A - 400A @ 800Vdc
5A - 50A @ 850Vdc
5A - 500A @ 1000V
100A - 300A @ 1500Vdc

Threaded & Centre Tag Fuses Fuse Blocks



Amperage & Voltage Range

50A - 700A @ 500Vdc
60A - 600A @ 800Vdc
5A - 50A @ 850Vdc
10A - 800A @ 1000Vdc
100A - 300A @ 1500Vdc



ELECTRIC VEHICLE AUXILIARY FUSES AE2 500V



General purpose fuse for EV / HEV auxiliary protection.

Cartridge

Part Number	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
AE22500607	AE22500605	50A

Voltage: 500VDC **I.R.:** 20kA at 500VDC.

Time Constant: 1-3ms

Holders (Cartridge): Clips, Blocks & Inline.

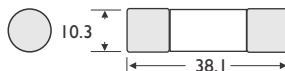
Holders (Flush Bolted): Fuse block.

Terminal Options: PCB Mount & Centre tag.

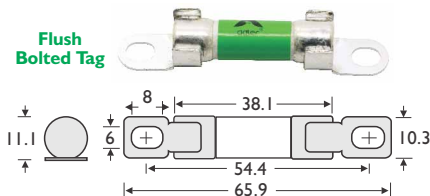
Approvals: UL 248-20, TUV, ISO 8820-8; GB/T 31465.6



Ferrule Cartridge



Flush Bolted Tag



RELATED PRODUCTS:

Cartridge Fuse Clips

BC800 (see p.68)



Cartridge Fuse Block

BH114-IC (see p.102)

BH114-CN (see p.102)



Flush Tag Fuse Block

BH114-IM (see p.102)

BH114-CN (see p.102)



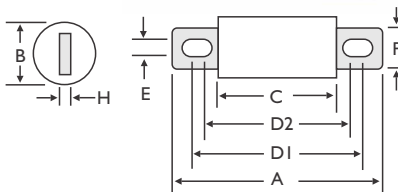
ELECTRIC VEHICLE PDU FUSES AE5 500V



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



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: TUV (50A-400A)

RELATED

PRODUCTS:



Fixed EV Fuse Blocks
(see p103.)



Modular Fuse Blocks
(see p104.)

ELECTRIC VEHICLE AUXILIARY FUSES AE3 850V



EV NEW

General purpose fuse for EV / HEV auxiliary protection.

Cartridge

Part Number	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

Voltage: 850VDC **I.R.:** 20kA at 850VDC.

Time Constant: 1-3ms

Pack Size: 10pcs.

Holders (Cartridge): Fuse clips, blocks & Inline.

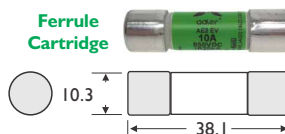
Holders (Flush Bolted): Fuse block.

Terminal Options: PCB Mount & Centre tag also available.

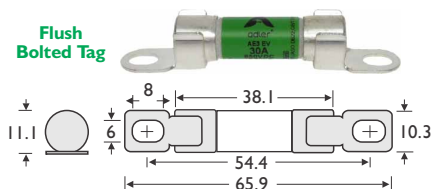
Approvals: UL Certified (E506666)

JASO D622, ISO 8820-8; GB/T 31465.6

Ferrule Cartridge



Flush Bolted Tag



RELATED PRODUCTS:

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



EV NEW

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

Part Number	Ampere Rating
AE72600i25	60A
AE72700i25	70A
AE72800i25	80A
AE73100i25	100A
AE73125i25	125A
AE73150i25	150A
AE73175i38	175A
AE73200i38	200A
AE73250i38	250A
AE73300i38	300A
AE73350i38	350A
AE73400i38	400A
AE73450i51	450A
AE73500i51	500A
AE73560i51	560A
AE73600i51	600A

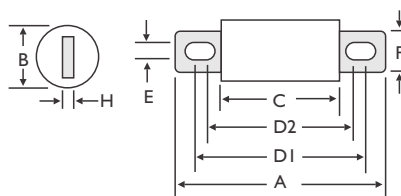
Voltage: 800VDC **I.R.:** 50kA at 800VDC

Time Constant: (L/R) 2 +/- 0.5ms

Holders: Modular fuse blocks.

Approvals: UL Certified (E506666)

UL248-20, IEC 60269-4



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-600A	129	51	72	109	90	10.5	38	6

RELATED

PRODUCTS:

Fixed Fuse Blocks
(see p103.)



Modular Fuse Blocks
(see p104.)



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

ELECTRIC VEHICLE PDU FUSES AE6 1000V

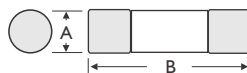


Engineered to provide auxiliary and high performance protection for hybrid and electric vehicles.

NEW
EV

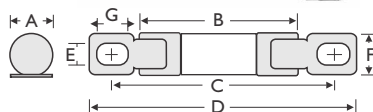
Cartridge	Flush Tag	Ampere Rating	Cap Dia.
Part Number	Part Number		
AE61500A00	AE61500A02	5A	10
AE61600A00	AE61600A02	6A	10
AE61800A00	AE61800A02	8A	10
AE62100A00	AE62100A02	10A	10
AE62150A00	AE62150A02	15A	10
AE62200A00	AE62200A02	20A	10
AE62250A00	AE62250A02	25A	10
AE62300A00	AE62300A02	30A	10
--	AE62200B02	20A	14
--	AE62250B02	25A	14
--	AE62300B02	30A	14
AE62350B00	AE62350B02	35A	14
AE62400C00	AE62400C02	40A	14
AE62500C00	AE62500C02	50A	14
AE62600C00	AE62600C02	60A	14

Ferrule Cartridge



Series	Amperage	A	B
AE6...A00	5A - 30A	10	38
AE6...B00	20A - 35A	14	51
AE6...C00	40A - 60A	14	65

Flush Bolted Tag



Voltage: 1000VDC **I.R.:** 20kA at 1000VDC.

Time Constant: 2 ± 0.5 ms

Terminal Options: Centre tag, PCB mount & vertical mount.

Approvals: ISO 8820-8; GB/T 31465.6; UL 248-20, JASO D622

RELATED PRODUCTS:



Fuse Clips
(see p.68)



Fuse Blocks
(see p.102)



Modular Fuse Blocks
(see p.104)

Dimensions in MM

Series	Amperage	A	B	C	D	E	F	G
AE6...A02	5A - 15A	10.3	38	53.5	64	5.3	12	7
AE6...B02	20A - 35A	14.2	51	72.0	86	6.5	12	9.4
AE6...C02	40A - 60A	14.2	65	87.0	101	6.5	12	9.4

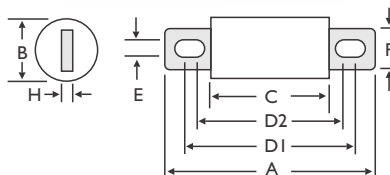
ELECTRIC VEHICLE PDU FUSES AEX 1000V



Designed for EV / HEV automotive use such as high power EV PDU & battery protection.

NEW
EV
UPDATED

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
AEX3800C64	800A	64



Voltage: 1000VDC **I.R.:** 50kA at 1000VDC

Time Constant: (L/R) 2 ± 0.5 ms

Approvals: IEC 60269-4; UL 248-20

RELATED PRODUCTS:



Fixed Fuse Blocks
(see p.103)



Modular Fuse Blocks
(see p.104)

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

EMERGENCY MULTI FUSE ASSORTMENT PACKS

PROLEC

NEW

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.

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: ATOF (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: ATOF (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



FUSES + KITS

PROLEC

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

BLADE FUSE ASSORTMENT PACKS

PROLEC

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.

Micro2 Blade Fuse Assortment Pack - 35pcs

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



Low Profile Mini Blade Fuse Assortment Pack - 35pcs

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



Snap Lockable

Mini Blade Fuse Assortment Pack - 35pcs

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



5 Cavities

Auto Blade Fuse Assortment Pack - 35pcs

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



LED INDICATING FUSE ASSORTMENT PACKS

PROLEC

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

LED Mini Blade Fuse Assortment Pack - 16pcs

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



Bonus
Fuse Puller



LED Mini



Back



Front

LED Auto Blade Fuse Assortment Pack - 16pcs

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



Bonus
Fuse Puller



LED Auto



Product Details



5 Cavities

Features:

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



FUSES + KITS

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



- 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

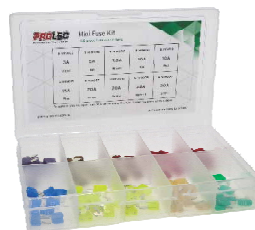
Kit Contains

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



- 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;

ATOF (10pcs): 3A, 5A, 7.5A

ATOF (10pcs): 15A, 25A, 30A

ATOF (20pcs): 10A, 20A



LED Auto Blade Fuse Kit - 90pcs

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



- 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



- 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

Part Number
MIDI-KIT2

Kit Contains

Midi Fuses;

MID (2pcs): 30A, 40A, 50A, 60A

MID (2pcs): 70A, 80A, 100A

MID (2pcs): 125A, 150A, 200A



NEW

FUSES + KITS

Midi Fuse & Fuse Block Installer Kit - 5 Ipcs

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



NEW

Mega Fuse Kit - 20pcs

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



NEW

Battery Fuse Kit - 28pcs

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



UPDATED

Features:

- Genuine original equipment fuses.
- Custom kits are also available upon request.
- Designed and assembled locally.
- 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;

ATOF (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



Fuse Puller
Maxi Fuse



Mini



Auto



Maxi



Midi



Mega

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



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



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PROLEC

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

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



FP-7AM



Pack Size: 1, 10, 100

00970025



00970026



00970054



00970053



32013BS

Bussmann



CARTRIDGE & AUTO BLADE FUSE PULLERS

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

FP-A3



Auto
Blade Fuse

FP-2



AGC / SFE
Cartridge Fuse

5AB / Midget EV
Cartridge Fuse

BLADE FUSE PULLER & FUSE TESTER

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.

Bussmann



Fuse Puller →

Finger Grips →

Front View
Slidable Fuse Selector →

Rear View
LED Indicator

Fuse Testing Pins



Circuit Breakers & Accessories

Innovation is where we begin.

Chapter Information

Circuit Breaker Selection Guide
Circuit Breaker Selection Chart

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Bladed Circuit Breakers

Mini Blade 14V - 28V
Auto Blade 12V - 72V
Maxi Blade 12V - 24V

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Surface & Panel Mt Circuit Breakers

Short Stop Stud Mount 12V - 24V
Push Button Panel Mount Button 50V
Rocker Switch Breaker Panel Mount 50V
Weatherproof Panel Mount Series 18 30V
Weatherproof Panel Mount Series 19 30V
Weatherproof Bracket Mount Series 19 30V
Mid Range Panel Mount 32V
High Amp Surface Mount 14V - 48V
High Amp Panel Mount 30V - 48V
Marine Rated Surface & Panel Mount 48V

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Battery Disconnect Circuit Breaker

Rotary Switch Panel Mount, Series 53 32V

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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 60A	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	#
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

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.

Contact sales for (#) product details.

(*) verification.

(^)Plastic cover only.

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 I8**
Type I & III
(Page 57)



- 16 Series I9**
Type I & III
(Page 58)



- 17 Series I9 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	14VDC Modified TII	Ampere Rating
Part Number	Part Number	
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

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)



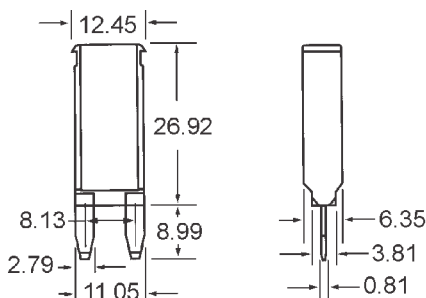
PDM
(see p.120 - 146)



Automatic TI



Modified TII



CIRCUIT BREAKERS - MINI BLADE 28V

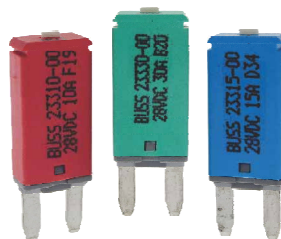
Bussmann

Features:

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

28VDC

Manual TIII	Ampere Rating	Body Colour
Part Number		
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



Manual TIII

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

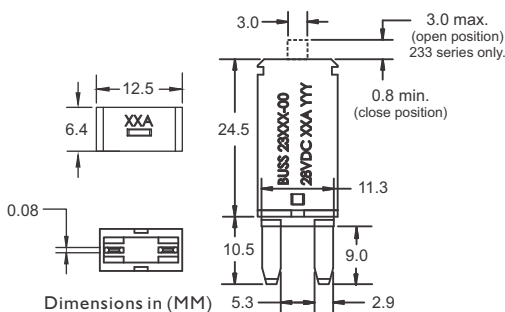
RELATED PRODUCTS:



Inline Holder
(see p.77)



PDM
(see p.120 - 146)



CIRCUIT BREAKERS - AUTO BLADE L.P 28V

Bussmann

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

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

Voltage: 28VDC **I.R.:** 2000A @ 28VDC

Reset Mechanism: Type III, Manual Reset.

Body: UL-Rated 94V-0 thermoplastic.

Terminals: Tin plated copper alloy.

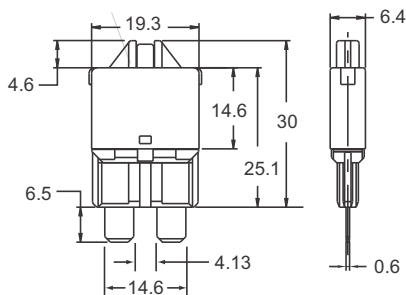
Operating Temp: -40°C to 85 °C

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.



Dimensions are in MM

CIRCUIT BREAKERS

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 I 180

72VDC

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

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)

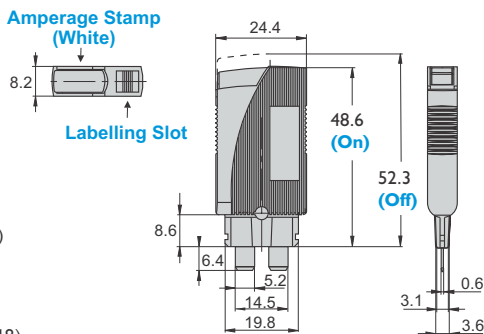
500 operations at 2 x In (inductive)

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



Dimensions are in MM

PROLEC

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

CIRCUIT BREAKERS - AUTO BLADE TYPE

EATON Bussmann

12VDC

Automatic TI

Part Number	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

12VDC

Modified TII

Part Number	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

IGNITION
PROTECTED

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

Holders: Blocks

Pack Size: Stocked lines I, Indent items 250pcs.

Approvals: SAE J553, J1171

RELATED PRODUCTS:



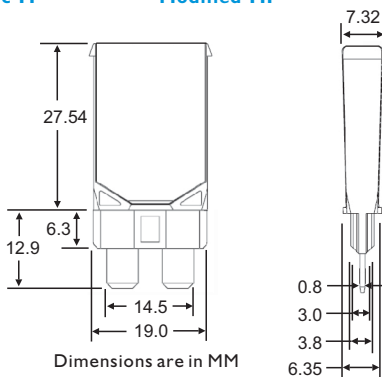
Clips & Bases
(see p.68)



Inline Holders
(see p.77)



Fuse Panels
(see p.87 & 92)



CIRCUIT BREAKERS - AUTO BLADE LOW PROFILE

PROLEC

24VDC

Automatic TI

Part Number	Ampere Rating	Body Colour
AT1-005	5A	Tan
AT1-075	7.5A	Brown
AT1-010	10A	Red
AT1-015	15A	Blue
AT1-020	20A	Yellow
AT1-025	25A	White
AT1-030	30A	Green

Voltage: 28VDC

I. R.: 2000A at 28VDC

Reset Mechanism: Type I, Automatic Reset

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

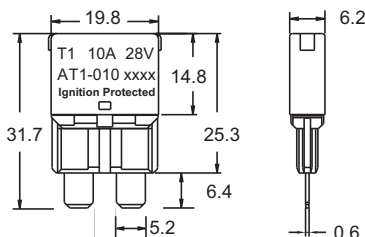
Holders: Blocks

Pack Size: I, 10, 100, 250pcs.

Compliance: SAE J553, SAE J1171



NEW
IGNITION
PROTECTED



RELATED PRODUCTS:



Clips & Bases
(see p.68)



Inline Holders
(see p.77)



Fuse Panels
(see p.87)



Fuse Blocks
(see p.92)

CIRCUIT BREAKERS - AUTO BLADE TYPE

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

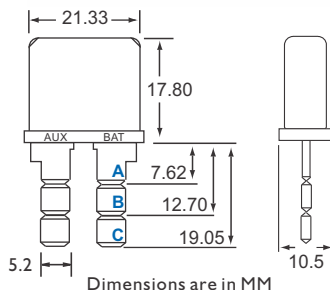
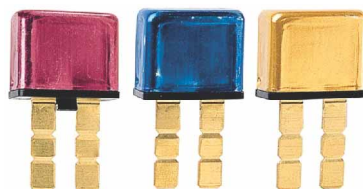
Voltage: 12VDC

Reset Mechanism: Type I, Automatic Reset

Termination: Auto fuse footprint. Brass.

Pack Size: 1, 5, 10, 100, 250

Approvals: SAE J553



Dimensions are in MM

Bussmann

CIRCUIT BREAKERS

CIRCUIT BREAKERS - MAXI BLADE TYPE

12VDC

Automatic TI

Part Number	Part Number	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

24VDC

Automatic TI

12 / 24VDC

Manual TIII

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

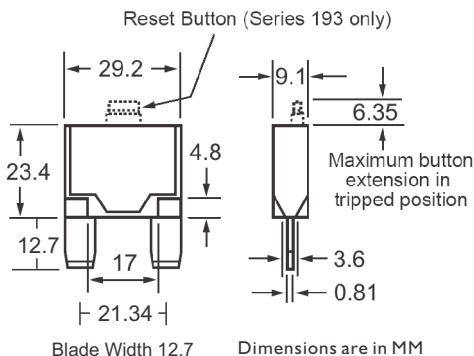


**Automatic TI
(No Button)**



**Manual TIII
(With Reset Button)**

IGNITION
PROTECTED



Blade Width 12.7

Dimensions are in MM

RELATED PRODUCTS:



Power Dist. Modules
(see p.138)



Covers and Brackets
(see p.140)

PROLEC

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

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

IGNITION
PROTECTED
IP66*



12VDC Automatic TI Plastic Cover Parallel Bracket

Part Number	Ampere Rating
I21A05-B2P	5A
I21A08-B2P	8A
I21A10-B2P	10A
I21A15-B2P	15A
I21A20-B2P	20A
I21A25-B2P	25A
I21A30-B2P	30A
I21A35-B2P	35A
I21A40-B2P	40A
I21A50-B2P	50A

12VDC Manual TIII Plastic Cover Parallel Bracket

Part Number	Ampere Rating
I23A05-B2P	5A
I23A08-B2P	8A
I23A10-B2P	10A
I23A15-B2P	15A
I23A20-B2P	20A
I23A25-B2P	25A
I23A30-B2P	30A
I23A35-B2P	35A
I23A40-B2P	40A
I23A50-B2P	50A

12VDC Automatic TI Metal Cover Parallel Bracket

Part Number	Ampere Rating
I21A05-B2M	5A
I21A08-B2M	8A
I21A10-B2M	10A
I21A15-B2M	15A
I21A20-B2M	20A
I21A25-B2M	25A
I21A30-B2M	30A
I21A35-B2M	35A
I21A40-B2M	40A
I21A50-B2M	50A

12VDC Automatic TI Metal Cover Cross Bracket

Part Number	Ampere Rating
I21A05-A2M	5A
I21A08-A2M	8A
I21A10-A2M	10A
I21A15-A2M	15A
I21A20-A2M	20A
I21A25-A2M	25A
I21A30-A2M	30A
I21A35-A2M	35A
I21A40-A2M	40A
I21A50-A2M	50A

Voltage: 14VDC (I21 Series), 28VDC (I23 & I24 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.

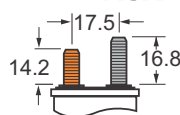
Notes: Keps lock nuts included with circuit breakers.

Approvals: SAE J553, J1171

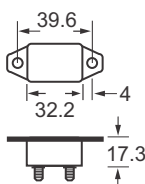
Terminal Specs:

2 x #10-32 studs

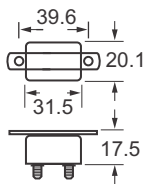
BAT AUX



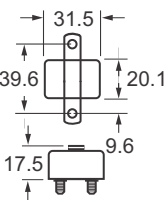
Plastic Cover Parallel Bracket



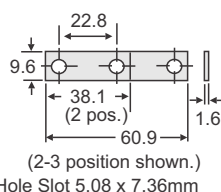
Metal Cover Parallel Bracket



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 <input type="checkbox"/>
CBBR	Red Terminal Boot PVC <input type="checkbox"/>
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



Push button to reset



Terminal Boot



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.

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.

12VDC Automatic TI Parallel Brkt	12-24VDC Manual TIII Parallel Brkt	12-24VDC Manual TIII Splash Proof Kit	Colour Code
Part Number	Part Number	Part Number	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.

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

Busbars Common power for multiple breakers



**Clear Cover
IP64 Rated**



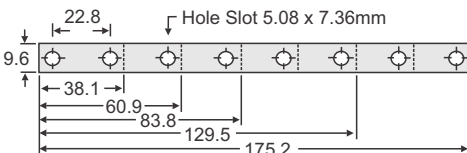
Red Terminal Boot
Protects connections from accidental shorts



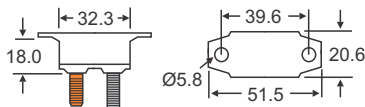
**Clear Cover Fitted
Manual Reset Button**



**Red Terminal
Boot Fitted**

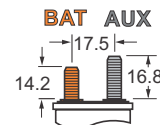


**Splash Proof Manual Reset
Circuit Breaker Kit CBK-(amp)
Includes Circuit Breaker, Boot & Cover**



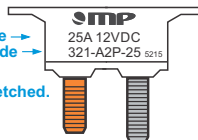
Parallel Bracket

Dimensions in MM



Terminal Specs
2 x #10-32 studs

Factory Logo →
Amperage & Voltage →
Part No. & Batch Code →



Markings are laser etched.

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

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.

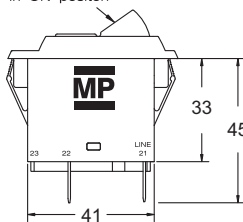
Notes: *Red illuminated switch features an incandescent light which requires 10 to 14VDC to operate.

Lamp current draw is 38mA at 12VDC.

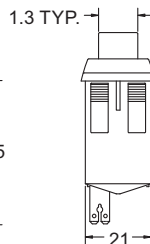
Approvals: UL 1077 recognised, certified

(0.5A to 20A), IEC (0.5A to 20A), (0.5A to 20A)

Actuator shown in "ON" position



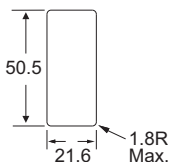
Dimensions in MM



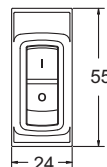
1 Pole Q.C.

Panel Cutout

Fits panels up to 5.3mm thick



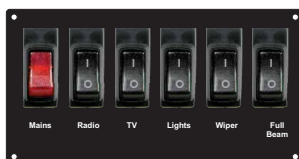
Front Face



RELATED PRODUCTS:

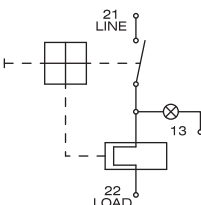
Switch Breaker Panels

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



Circuit Diagram

1 Pole Switch / Breaker with Optional Illumination



NEW

**Hole Plug
Blank Switch**
P/N: 24HP2151

BATTERY DISCONNECT CIRCUIT BREAKER SERIES 53



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.



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.

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



533 Series
Panel Mount



Rear Panel Mount

Voltage: 32VDC.

I.R. Per SAE J553 & UL 1077* (U3) at 14 & 28VDC, 1.5kA @ 14VDC per ABYC (SAE J553 & UL 1077* 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, UL 1500* and SAE J1171

Dielectric Strength: 2000VAC minimum UL 107. **Housing:** Thermoplastic.

Shock, Vibration, Corrosion: MIL-STD-202, UL 1077*, UL 107*

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 1/2 cycle (0.008 sec.).

Note: This product is not rated for an engine starter circuit. *Tested per methods of standard.

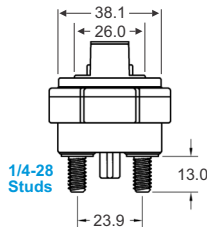
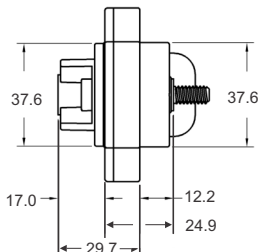
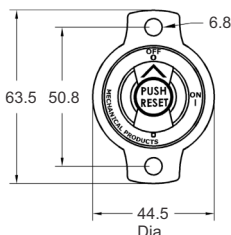
Approvals: UL 1077, SAE J553, ABYC, CE

Series 53 Disconnect Function

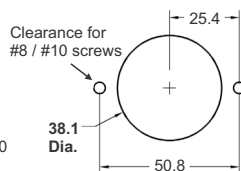
Switch ON, Continuity - Breaker is active and circuit is active.

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

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.



Manual (TIII) # 8-32 Screw Terminal

Part Number	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

Manual (TIII) #10-32 Stud Terminal

Screw Terminals (1800E112E series)

Stud Terminals (1810E113T series)



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 I, 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.

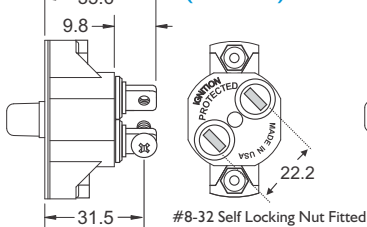
Pack Size: 1, 20, 40, 160, 320, 640

Note: *High Ambient style increases trip rating from 100% to 110% (min.) & 135% to 143% (max.) at 25 deg C.

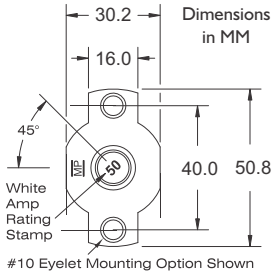
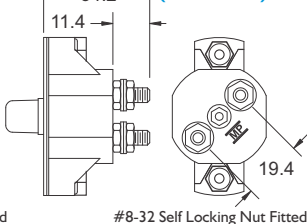
Ampere ratings 2A (CDM-2) and 3A (CDM-3) contact sales.

Approvals: ABYC E-11, SAE J553, SAE J1428, UL 1500, UL 1077, MIL-STD-202.

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



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



Right Angle -45° Fix Mounting Bracket SS



Part Number: PROBRK018A

Recommended Mounting



Automatic Reset No Button



Product Series: 1801 / 1811

Manual Reset - Red Button White Amp Stamp at 45°



Product Series: 1800 / 1801

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



MIL-STD

IP69K

IGNITION
PROTECTED



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

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

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.

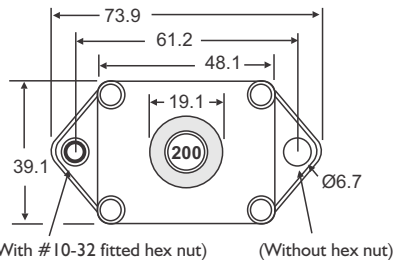
Housing: UL 94-V0 rated black thermoplastic.

Operating Temp: -40 deg. C to 85 deg. C

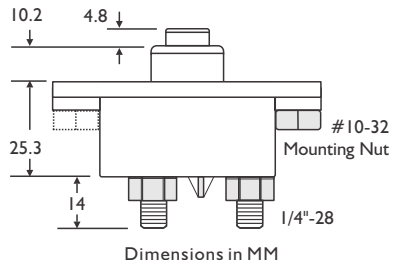
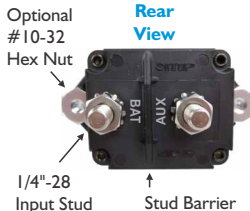
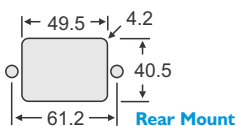
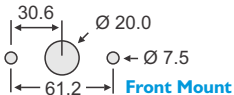
Pack Size: 1pc stock lines (9pcs non stock lines).

Approvals: SAE J1625, SAE J1171, ABYCE-11, UL1077,

MIL-STD-202 (101, 106, 213), Mil-STD-204.



PANEL CUT-OUT(S)



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

Part Number	Part Number	Ampere Rating
I9M-P2I-B-I75	I9A-P2I-N-I75	175A
I9M-P2I-B-200	I9A-P2I-N-200	200A

Auto Reset TI Natural Bracket

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 phillips 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, SAE J1171, ABYC E-11, UL1077,

Mil-STD-202 (101, 106, 213), Mil-STD-204.

Notes: Contact sales for details on all custom made product options.

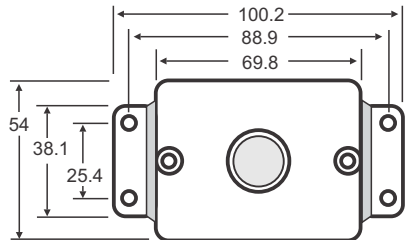
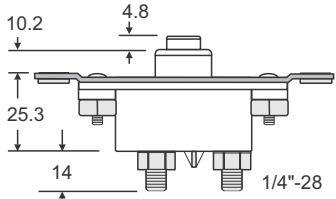
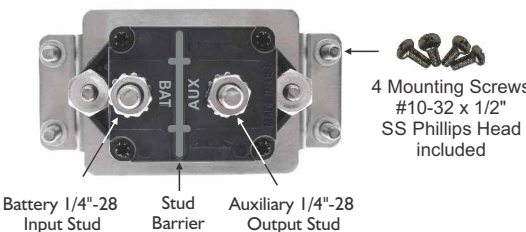


I9M-P2I-B-xxx
Manual Reset TIII



I9A-P2I-N-xxx
Automatic Reset TI

Rear View



Dimensions in MM

CUSTOM MADE OPTIONS



I9M-P2I-B-xxxB
Manual Reset TIII
With Black Bracket



I9A-P2I-R-xxx
Automatic Reset TI
With LED TripID™ Feature



I9M-P2I-R-xxx
Manual Reset TIII
With LED TripID™ Feature



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

CIRCUIT BREAKERS - SERIES 17 SURFACE MOUNT DIAG



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 *tripID*™
- Made in USA.



Automatic (TI) 1/4" & 3/8" Stud Diagonal	Manual (TIII) 1/4" Stud Diagonal	Manual (TIII) 3/8" Stud Diagonal	Ampere Rating
Part Number	Part Number	Part Number	
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 ^	-	174-S2-225*	225A
171-S2-250 ^	-	174-S2-250*	250A
171-S2-275 ^	-	-	275A
171-S2-300 ^	-	-	300A

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

Voltage Ratings:

Type TI: (25A-200A): 30VDC, (225A-300A): 14VDC.
Type TIII: (25A-150A): 48VDC, (175A-200A): 30VDC.
Type TIII: (225A-250A): 14VDC.

I.R. Ratings:

Type TI (25A-150A): 3kA at 30VDC, (175A-200A): 1.5kA at 30VDC.
Type TI (225A-300A): 2.5kA at 14VDC.
Type TIII (25A-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 36pcs.

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, UL1077 (UL)

RELATED PRODUCTS *tripID*™

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



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

Breaker with *tripID*



Automatic Reset 1/4" Studs



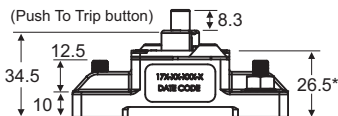
Automatic Reset 3/8" Studs



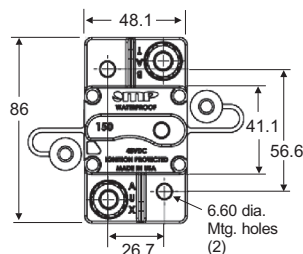
Manual Reset 1/4" Studs



Manual Reset 3/8" Studs



*Overall height of 171 series.



Dimensions in MM

CIRCUIT BREAKERS - SERIES 17 SURFACE MOUNT SBS



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 *tripID*™
- Made in USA.



Manual (TIII) 1/4" Stud Side by Side

Part Number	Part Number	Ampere Rating
175-SI-025	175-S3-025	25A
175-SI-030	175-S3-030	30A
175-SI-035	175-S3-035	35A
175-SI-040	175-S3-040	40A
175-SI-050	175-S3-050	50A
175-SI-060	175-S3-060	60A
175-SI-070	175-S3-070	70A
175-SI-080	175-S3-080	80A
175-SI-090	175-S3-090	90A
175-SI-100	175-S3-100	100A
175-SI-110	175-S3-110	110A
175-SI-120	175-S3-120	120A
175-SI-135	175-S3-135	135A
175-SI-150	175-S3-150	150A
175-SI-175	175-S3-175	175A
175-SI-200	175-S3-200	200A
-	175-S3-225	225A
-	175-S3-250	250A



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: (25A-200A): 30VDC, (225A-300A): 14VDC.
Type TIII PTT: (25A-150A): 48VDC, (175A-200A): 30VDC.
Type TIII PTT: (225A-250A): 14VDC.

I.R. Ratings:

Type TI (25A-150A): 3kA at 30VDC, (175A-200A): 1.5kA at 30VDC.
Type TI (225A-300A): 2.5kA at 14VDC.
Type TIII PTT (25A-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.

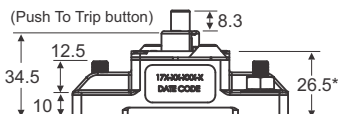
Stud Insulator Caps: Included.

Operating Temp: -40°C to 85 °C. **Ingress Protection Rating:** IP67

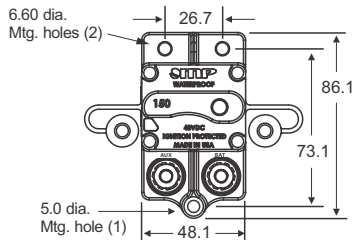
Indicator: Bright yellow colour reset mechanism provides visual indication of tripped condition on manual reset breakers (Type TIII).

Pack Size: Stock lines 1pc, indent items 9, 36, 72, 144pcs.

Approvals: SAE J1625, J1171, ABYC E-11, MIL-STD-202, UL1077



*Overall height of 174 series.



Dimensions in MM

RELATED PRODUCTS - *tripID*™

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



Part Number: I7LED-R

Voltage: 10-30VDC

Mounting: Snap on.

Open Circuit
Red LED Lit



Closed Circuit
LED Unlit

Side by Side Studs with *tripID*™

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



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

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.



Auto Reset Type T1 1/4" Studs 3/8" Studs ^

Part Number	Part Number	Part Number	Ampere Rating
171-P0-025	175-P0-025	175-P2-025	25A
171-P0-030	175-P0-030	175-P2-030	30A
171-P0-035	175-P0-035	175-P2-035	35A
171-P0-040	175-P0-040	175-P2-040	40A
171-P0-050	175-P0-050	175-P2-050	50A
171-P0-060	175-P0-060	175-P2-060	60A
171-P0-070	175-P0-070	175-P2-070	70A
171-P0-080	175-P0-080	175-P2-080	80A
171-P0-090	175-P0-090	175-P2-090	90A
171-P0-100	175-P0-100	175-P2-100	100A
171-P0-110	175-P0-110	175-P2-110	110A
171-P0-120	175-P0-120	175-P2-120	120A
171-P0-135	175-P0-135	175-P2-135	135A
171-P0-150	175-P0-150	175-P2-150	150A
171-P0-175	175-P0-175	175-P2-175	175A
171-P0-200	175-P0-200	175-P2-200	200A
171-P2-225 ^	-	175-P2-225	225A
171-P2-250 ^	-	174-P2-250*	250A
171-P2-275 ^	-	-	275A
171-P2-300 ^	-	-	300A

(^ 3/8" Stud only)

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

I.R. Ratings:

Type T1 (25A-150A): 3kA at 30VDC,
Type T1 (175A-200A): 1.5kA at 30VDC.
Type T1 (225A-300A): 2.5kA at 14VDC.
Type T111 (25A-150A): 2.5kA at 14VDC, 1.5kA at 48VDC.
Type T111 (175A-200A): 2.5kA at 14VDC, 1.5kA at 30VDC.
Type T111 (225A-250A): 1.5kA at 14VDC.

Voltage Ratings:

Type T1: (25A-200A): 30VDC, (225A-300A): 14VDC.
Type T111: (25A-150A): 48VDC, (175A-200A): 30VDC.
Type T111: (225A-250A): 14VDC.

Pack Size: Stock lines 1pc, indent items 9pcs.

Housing: UL 94-V0 rated black thermoplastic.

Termination: 1/4" or 3/8" Stainless steel studs.

Terminal Hardware: Stainless steel Sems nuts included.

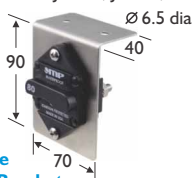
Operating Temp: -40°C to 85°C. **Ingress Protection Rating:** IP67

Indicator: Bright yellow colour reset mechanism provides visual indication of tripped condition on manual reset breakers (T111).

Options: 90 Degree position studs suit horizontal busbar.

(17x-P1 Series is an indent item only)

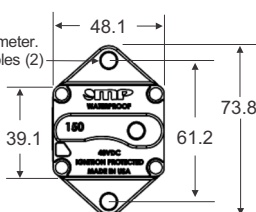
Approvals: SAE J1625, J1171, ABYC E-11, MIL-STD-202, UL I077 ①



Right Angle Mounting Bracket

Part Number: PROBRK017

Material: Stainless Steel



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



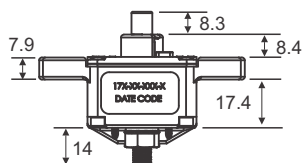
Gasket Accessory

Part Number: B156-7003-J

Material: Black Santoprene.



Dimensions in MM



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	Manual Reset Type TIII - PTT Threaded Mt	Manual Reset Type TIII - PTT Non-Threaded Mt	Ampere Rating
Part Number	Part Number	Part Number	
25110-B-I	25510-B-I	25510-A-I	10A
25115-B-I	25515-B-I	25515-A-I	15A
25120-B-I	25520-B-I	25520-A-I	20A
25125-B-I	25525-B-I	25525-A-I	25A
25130-B-I	25530-B-I	25530-A-I	30A
25135-B-I	25535-B-I	25535-A-I	35A
25140-B-I	25540-B-I	25540-A-I	40A
25150-B-I	25550-B-I	25550-A-I	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-I (suffix) = #10 Thru-hole insert (not threaded).

-B-I (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

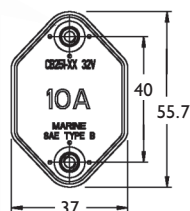
Pack Size: Stock lines 1pc, indent items 60pcs.

Approvals: SAE J553, J1171 & ABYC E-11.

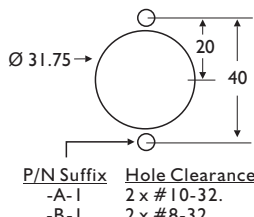
Rear View
#10-32 Studs



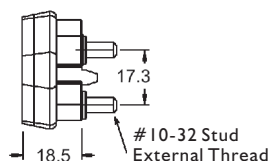
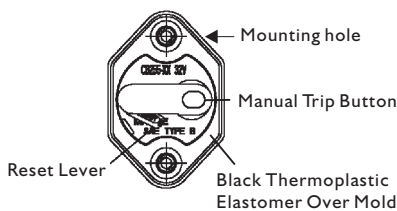
Automatic Type
251 series



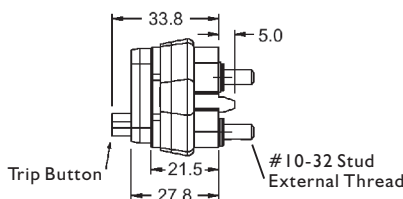
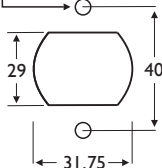
Front Panel
Mounting



Manual Type
255 series



Rear Panel
Mounting



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 T1

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

48VDC Manual Reset Type T111 PTT

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

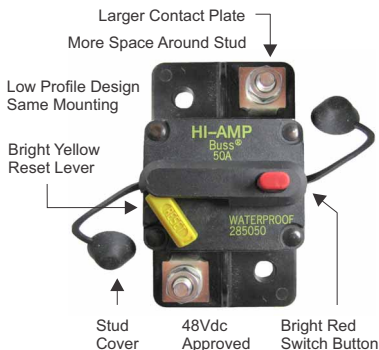
Terminal Hardware: Stainless steel nuts and lock washers installed.

Notes: The 285 series is a drop in replacement for the 185 series.

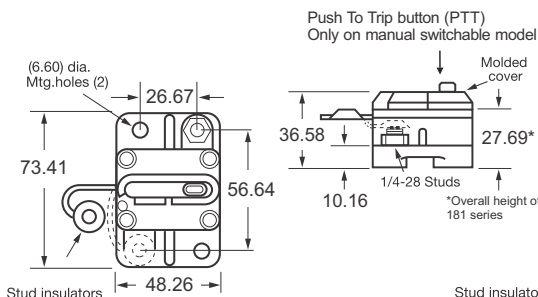
184 series also available which is manual reset only, no PTT bright red switch button feature.

Approvals: SAE J1625, SAE J1171, ABYC E-11

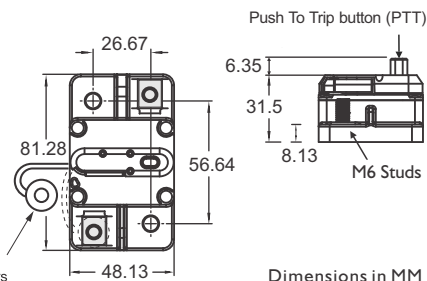
285 Series Feature Upgrades



181 Series (Standard Profile, Compact Body)



285 Series (Low Profile, Extended Body)



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

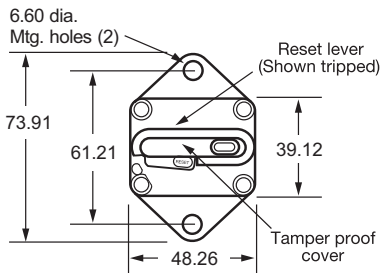
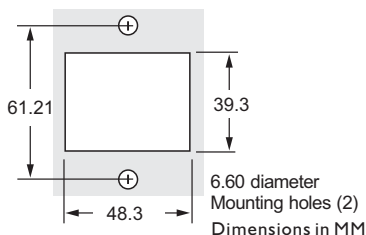
Gasket Accessory
B156-7003-J



Gasket Fitted
To Breaker



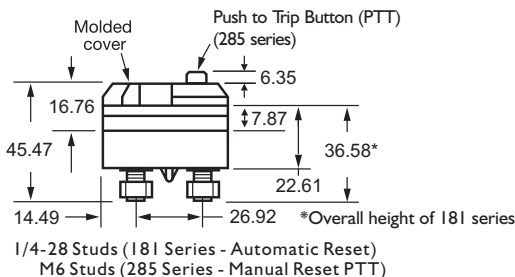
Suggested Mounting Cutout



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.



CIRCUIT BREAKERS - MARINE RATED

Surface Mount Part Number	Panel Mount Part Number	Ampere Rating
I87025F-03-I	I87025P-03-I	25A
I87030F-03-I	I87030P-03-I	30A
I87035F-03-I	I87035P-03-I	35A
I87040F-03-I	I87040P-03-I	40A
I87050F-03-I	I87050P-03-I	50A
I87060F-03-I	I87060P-03-I	60A
I87070F-03-I	I87070P-03-I	70A
I87080F-03-I	I87080P-03-I	80A
I87100F-03-I	I87100P-03-I	100A
I87110F-03-I	I87110P-03-I	110A
I87120F-03-I	I87120P-03-I	120A
I87135F-03-I	I87135P-03-I	135A
I87150F-03-I	I87150P-03-I	150A
I87200F-03-I	I87200P-03-I	200A



Surface Mount
Rounded Rectangular



Panel Mount
Rounded Rectangular



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QR Code: 10006

Voltage: 48VDC **I.R.:** 5kA at 14VDC, 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

CIRCUIT BREAKERS - MARINE RATED

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.

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



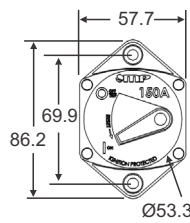
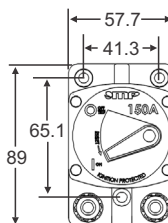
IP66 IGNITION PROTECTED NEW



Surface Mount

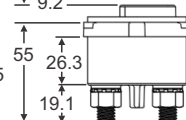
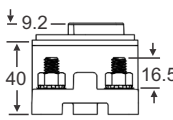


Panel Mount



Voltage: 48VDC **I.R.:** 5kA at 14VDC, 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-lbs for 5/16"-18, 100 in-lbs for 3/8"-16
Ingress Protection Rating: IP66 **Ignition Protected:** SAE J1171
Approvals Pending: SAE J1171, J553, ABYC E-11, UL 1077

Dimensions in MM



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Quality built products.

Fuse Clips & PCB Mount Holders

Mini Fuse, Auto Fuse & Maxi Fuse
EV Cartridge Midget Fuse (5AB)

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Panel Mount Holders

3AG Fuses

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Micro2 Fuse
Mini Fuse / LED Mini Fuse
Auto Fuse / LED Auto Fuse
Maxi Fuse / LED Maxi Fuse
Mini & Auto Bladed Breakers
Jcase Fusible Link
Midi Fuse
Mega Fuse

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Mini Fuse
Auto Fuse
Mini & Auto Taps
Ground Taps 3 Way
Mini & Auto Blade Socket Connectors
Mini & Auto Blade Socket Current Loops
Fuse Diagnostic Kit For Mini & Auto Blade

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Fuse Blocks

Micro2 Fuse Block
Mini Fuse Block
Auto Fuse Block
Auto Fuse Block Sealed
Midi Fuse Block
Mega Fuse Block
Lift Truck Fuse Block
EV Midget Cartridge Fuses (5AB)
EV Midget Bolted Tag Fuses (5AB)
High Power DC Bolted Tag Fuses
EV / EVSE Bolted Tag Fuses

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Fuse Panels

Auto Fuse
Auto Bladed Breaker

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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: 



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

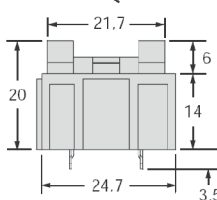
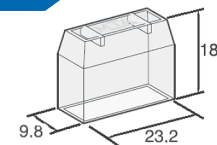
Terminals: Tin plated phosphor bronze, Inox-steel clip included.

Feature: Stackable end or side.

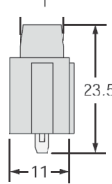
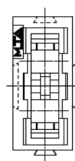
Pack Size: 5, 10, 100, 500, 1000

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

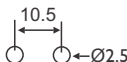
Clip Material: Brass, Tin plated.

Pack Size (bag): 2, 10, 100, 1000

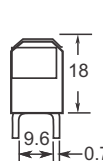
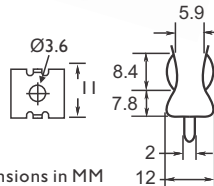
Feature: Fuse end stop

Suits EV Cartridge Fuse: 10.3 x 38.1mm.

Approvals: 



Mounting Pattern



Dimensions in MM

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



3AG FUSE HOLDERS PANEL MOUNT

Part Number	Knob Type	Terminal Type / Angle
HTB-261-R	Fingergrip	1/4" Q/C (6.35mm) Straight
HTB-221-R	Fingergrip	3/16" Q/C (4.8mm) or Solder, Straight
HTB-341-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.

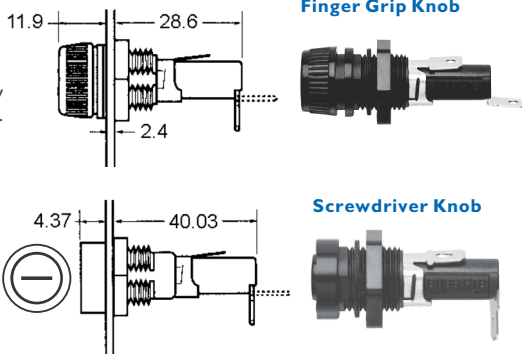
Options: Finger-grip type holders may be ordered with 'splash proof' knob, please contact sales.

Pack Size: 1, 10, 100

Note: Maximum panel Thickness: 7.62mm

Notes: Fuse is not included.

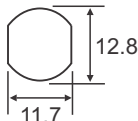
Approvals:      



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

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



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.

Part Number	Description
I50322	15A 500VAC / 500VDC
I50332	15A 250VAC / 250VDC

Terminals: Tin plated brass.

Wire Gauge: 0.8mm² (#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 

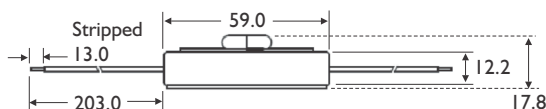
RELATED PRODUCTS:



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



3AB Fuses
(see p.11)



Dimensions in MM

Clamshell Open / Close

3AG 250V IN-LINE HOLDER SPLASH PROOF

EATON Bussmann

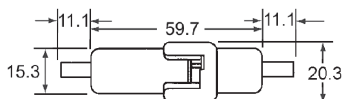
Part Number
HFA-R

IP64

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



Crimp Terminal



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

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:

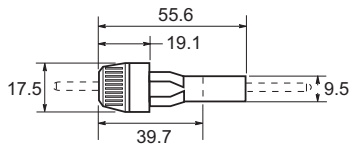
Fuse holder includes 3AG 20A fuse. # AGC020
 Fuse specifications: Glass case 6.35 x 31.8mm
 20A 32VAC/DC



AGC020 Fuse
(Included)



NEW



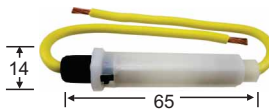
Dimensions in MM

3AG 32V IN-LINE HOLDER

EATON Bussmann

Part Number Description
HHN 30A Twist lock holder

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



NEW

Dimensions in MM

RELATED PRODUCTS:



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



AGC Fuse Kit
(see p.38)



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

EAT•N Bussmann

Part Number
HHB-R

Rating: 30A

Voltage: 32V

Body: Nylon (high visibility yellow colour).

Flammability: UL 94 V2

Wire Thickness: 1 - 3mm² (# 16-12 AWG). Wire not included.

Crimp: Simple crimp assembly, copper tin plated.


Crimp Tools: Thomas & Betts ERG400 I, Channellock 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.

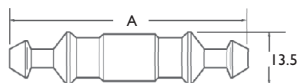
Suits Fuses: Cartridge fuse types 7AG, 8AG and 3AG.

Pack Size: 1, 10, 100, 500, 1000

Approvals: 



Crimp Terminal



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

RELATED PRODUCTS:



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



AGC Fuse Kit
(see p.38)

3AG 32V IN-LINE HOLDER SPLASH PROOF

EAT•N Bussmann

Features:

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

Part Number
HFB-R

Rating: 30A

Voltage: 32V

Body: Thermoplastic rubber, high visibility yellow colour.

Contacts: Tin plated copper

Temperature Range: -40°C to +150°C

Flammability: UL 94 HB

Wire Thickness: 0.8 - 3mm² (# 18-12 AWG) wire not included.

Ingress Protection: IP67 Rating for exposed locations.

Crimp Tools: Thomas & Betts WT-112M, Channellock No.909., California Terminal Products No.1250

Pack Size: 1, 10, 100

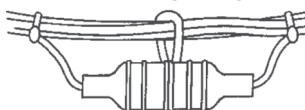
Approvals: 

RELATED PRODUCTS:

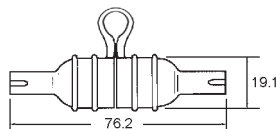


AGC / 3AG
(see p.10 & 11)

Possible Mounting Arrangement



Crimp Terminal



Dimensions in MM

PROLEC

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

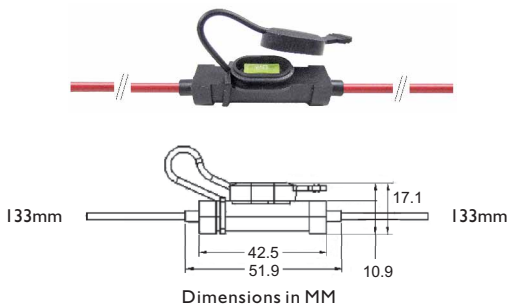
LOW PROFILE MINI FUSE IN-LINE HOLDER

PROLEC

Part Number	Description
FHL002	30A Holder with cover

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.

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



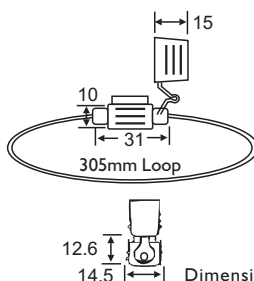
MICRO2 IN-LINE HOLDER SPLASH PROOF

PROLEC

Part Number	Description
FHC002	30A Holder with cover

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.

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



MINI FUSE IN-LINE HOLDERS

MTA

Part Number	Fuse Holder Kits Include:
01400K1	Fuse holder body and 2 x 10A terminals 01400, 2 x 07209BK (0.5 - 1 mm ²)
01400K2	Fuse holder body and 2 x 14A terminals 01400, 2 x 07212BK (1.5 - 2.5 mm ²)

Voltage: 32V
Body: Polyamide 6.6 (PA66)
Features: Gangable. Lateral or snap mount fixing.
Fuse Holder Kit Pack Size: 1, 10, 100
Mounting Plate Pack Size: 1000
Notes: Fuse and fixing plate are not included.
Approvals:

RELATED PRODUCTS:



Mini Fuse
 (see p. 15)

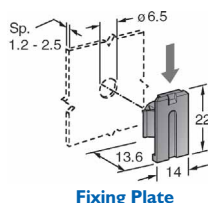


LED Mini Fuse
 (see p. 15)

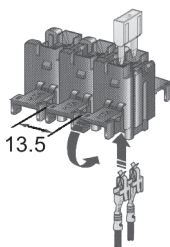


Fixing Plate
 Snap Mount
 # 00395

Mounting Option



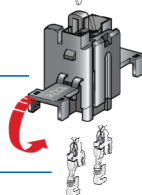
Gangable Feature



Mini Fuse



Fuse Holder Body



Terminals



AUTO FUSE IN-LINE HOLDERS



Features:

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

Part Number	Fuse Holder Kits Include:
I55320U	Fuse holder kit includes holder & terminals 20A 868-062-000 & 2 x 913-008-001
I55430U	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 2.1mm ² (#14 AWG stranded wire)
913-007-001	Terminal 5.3mm ² (#10 AWG stranded wire)

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 / 1.98mm

Notes: Fuse is not included.

Approvals: RoHS

Auto Blade Fuse



Fuse Holder Body

Terminals



Dimensions in MM

RELATED PRODUCTS:

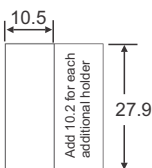


Auto Fuse
(see p.17)

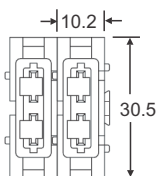


LED Auto Fuse
(see p.17)

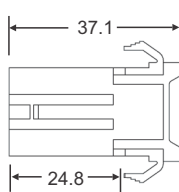
Mounting Hole



Gang Mount Option



Fuse Holder Body



AUTO FUSE IN-LINE HOLDER



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

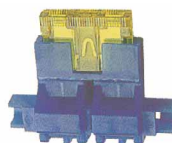
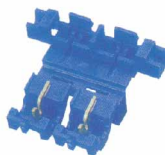
Wire: 0.8-2.0mm² (#18-14AWG).

Maximum Cable Outer Dia: 3.7mm

Contacts: Nickel plated brass

Pack Size: 10, 100, 1000

Notes: Fuse is not included.



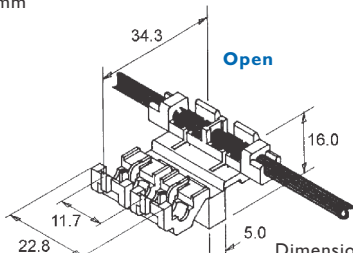
RELATED PRODUCTS:



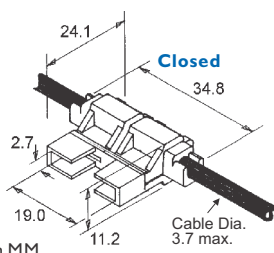
Auto Fuse
(see p.17)



LED Auto Fuse
(see p.17)



Open



Closed

Dimensions in MM

AUTO FUSE IN-LINE HOLDER



Part Number	Description
00341	Fuse holder with 1/4" QC 20A
00352	Fixing plate includes screw.

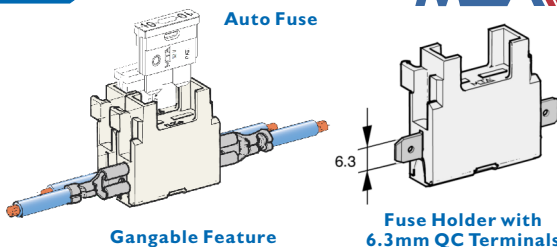
Voltage: 32V

Body: White PA 66

Feature: Gangable. Fuse holders interlock.

Pack Size: 1, 10, 100

Notes: Fuse is not included.



Gangable Feature

Fuse Holder with 6.3mm QC Terminals

RELATED PRODUCTS:



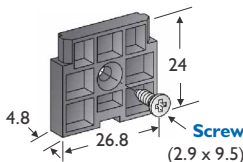
Auto Fuse
(see p.17)



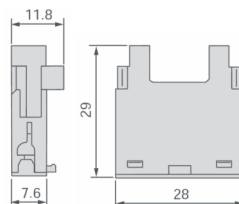
LED Auto Fuse
(see p.17)



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 20A
00357	Secondary terminal lock (optional)

Voltage: 32V

Body: Black PA 66.

Body Options: Also available without terminals (#00331).

Terminals 1/4" Q.C (Standard): 1/4" 20A #07501BK

Terminals Crimp Type (Optional): See page 78.

0.5 to 1.5mm² 14A, 2 to 3mm² 20A, 4 to 6mm² 37A.

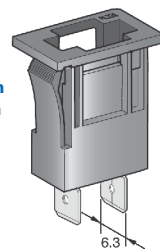
Fuse Holder Pack Size: 1, 10, 100

Secondary Lock Pack Size: 250

Notes: Fuses & circuit breakers are not included.



Fuse Holder with Auto Blade Fuse



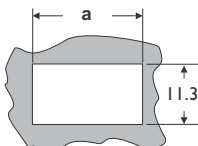
1/4" Q.C Terminals

Panel Mounting

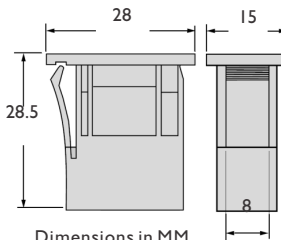
Dimensions (mm)

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

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)



Fuse Holder with Bladed Breaker

AUTO FUSE IN-LINE HOLDERS WITH COVER



Part Number	Description
FHAC001	20A with cover, 1.3mm ² (# 16AWG) Black
FHAC002	30A with cover, 3.3mm ² (# 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

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)



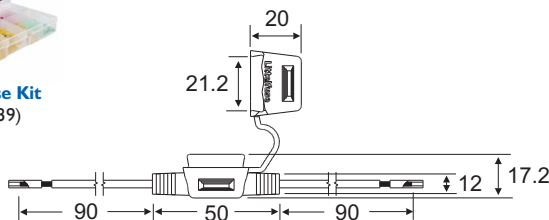
Auto Fuse Kit
(see p.39)



Butt Splice Connectors
(see p.188)



Female Insulated Disconnects
(see p.188)



Dimensions in MM

AUTO FUSE IN-LINE HOLDERS CLEAR



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.

Part Number	Description
FHAC001CLR	20A with clear cover, 1.3mm ² (# 16AWG)
FHAC002CLR	30A with clear cover, 3.3mm ² (# 12AWG)

NEW
IP66

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



Normal State Fuse



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)

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**

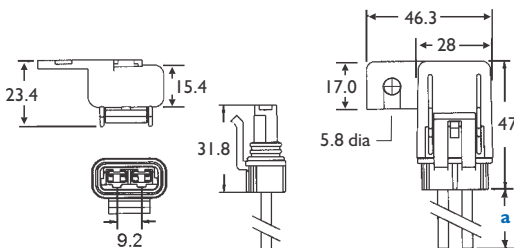
RELATED PRODUCTS:



Auto Fuse
(see p.17)



LED Auto Fuse
(see p.17)



Dimensions in MM

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

FUSE / BREAKER IN-LINE HOLDER WATERPROOF

PROLEC

IP67

Features:

- Clear cover 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.

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**

RELATED PRODUCTS:



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



Mini Breaker
(see p.48)



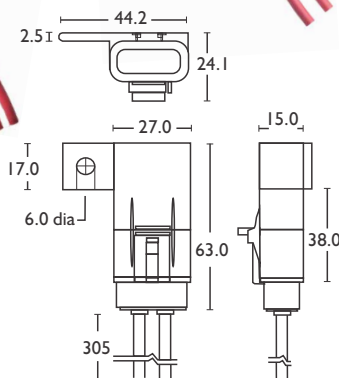
Auto Fuse & LED Auto Fuse
(see p.17)



Auto Breaker
(see p.49)



305mm (12") Cables



Dimensions in MM

PROLEC

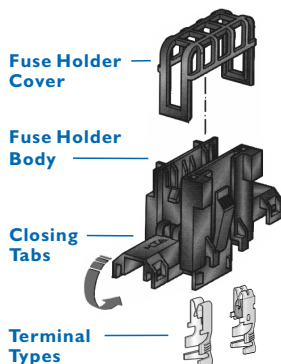
Email: info@prolecproducts.com.au
Web: www.prolecproducts.com.au

AUTO FUSE IN-LINE HOLDERS



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 PA 66	1, 10, 100
00415	Fuse holder cover black PA 66	1, 25, 100
07900BK	Terminal 0.5 to 1.5mm ² 14A (RL*)	10, 20, 100
07912RL	Terminal 2 to 3mm ² 20A (RL)	10, 20, 100
07901BK	Terminal 4 to 6mm ² 37A (RL*)	10, 20, 100
07920BK	Terminal 0.5 to 1.5mm ² + Clip 14A (RL*)	10, 20, 100
07930BK	Terminal 2 to 3mm ² + Clip 20A (RL*)	10, 20, 100
07940BK	Terminal 4 to 6mm ² + Clip 37A (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

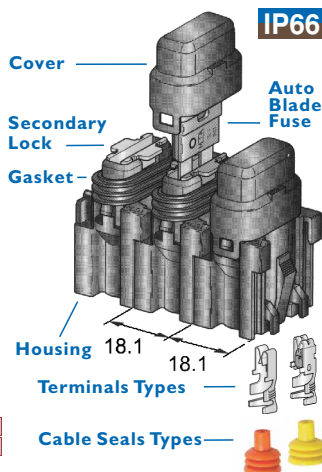


QR Code: 7001

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 1.5mm ² 14A (RL*)	10, 20, 100
07912RL	Terminal 2 to 3mm ² 20A (RL)	10, 20, 100
07901BK	Terminal 4 to 6mm ² 37A (RL*)	10, 20, 100
07920BK	Terminal 0.5 to 1.5mm ² + Clip 14A (RL*)	10, 20, 100
07930BK	Terminal 2 to 3mm ² + Clip 20A (RL*)	10, 20, 100
07940BK	Terminal 4 to 6mm ² + Clip 37A (RL*)	10, 20, 100
4507770	Cable seal for 0.5 - 1.5 mm ² wire, orange	10, 20, 100
4507771	Cable seal for 2.0 - 3.0 mm ² 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	Mounting bracket slide lock male	1, 10, 100
00698	Mounting bracket slide lock female	1, 10, 100



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:



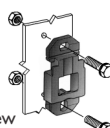
Auto Fuses
(see p.17)



LED Auto Fuses
(see p.17)



Fixing Plate (Single)



Fixing Plate (Dual)



Fixing Plate (Snap Mount)



Mounting Brackets (M/F)

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 PA66 w/lock	1, 10, 100
00391	Clear fuse cover	1, 10, 100
07650BK	Terminal 1.5 to 2.5mm ² 20A (RL*)	10, 20, 100
07660BK	Terminal 4 to 6mm ² 36A (RL*)	10, 20, 100
07670BK	Terminal 8 to 10mm ² 50A (RL*)	10, 20, 100
07671BK	Terminal 16mm ² 75A (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

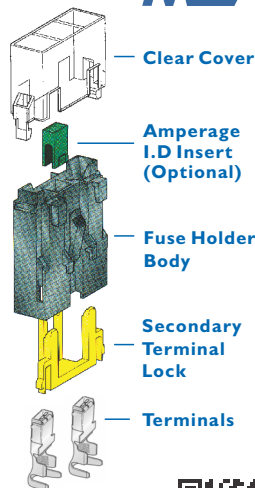
Terminals Options: BK = Bulk Pack, RL = Reel Pack

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:



Scan this QR Code for more information



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 PA66 w/lock	1, 10, 100
21200	Bottom cover black PA 66	1, 10, 100
07650BK	Terminal 1.5 to 2.5mm ² 20A (RL*)	10, 20, 100
07660BK	Terminal 4 to 6mm ² 36A (RL*)	10, 20, 100
07670BK	Terminal 8 to 10mm ² 50A (RL*)	10, 20, 100
07671BK	Terminal 16mm ² 75A (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	Mounting bracket slide lock male	1, 10, 100
00698	Mounting 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.

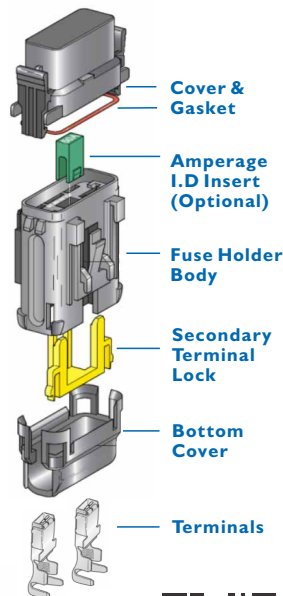
Features: Gangable, lateral fixing & snap lock fixing plate accessories.

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:



Scan this QR Code for more information

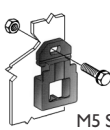


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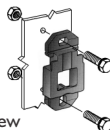
RELATED PRODUCTS



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



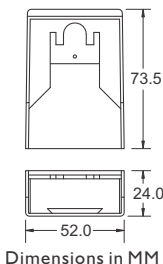
Part Number	Fuse Holder Kits Include:
I52001KIT1	Fuse holder kit, includes fuse holder body, cover, 2 x screws, 4 x washers & 2 x terminals (2.5 - 6mm ²)
I52001KIT2	Fuse holder kit, includes fuse holder body, cover, 2 x screws, 4 x washers & 2 x terminals (5 - 10mm ²)

Part Number	Individual Component Ordering
I52001	Maxi fuse holder black body 01520001
I52900	Protective clear fuse holder cover 01520900
913-550	M5 x 8 Screw, split washer and flat washer
913-653	Ring tongue terminal, 2.5 - 6mm ² (# 12-10AWG)*
913-654	Ring tongue terminal, 5.0 - 10mm ² (# 10 - 8AWG)*

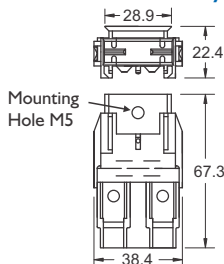


Rating: 60A **Voltage:** 32VDC
Terminals: Copper alloy **Cover:** Translucent thermoplastic
Body: Thermoplastic (UL 94HB), **Ignition Protection:** V-2
Feature: Only 2 fuse blocks may be ganged together with a maximum fuse rating of 50A per block.
Notes: This product will only accept original Littelfuse 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.

Fuse Holder Cover



Fuse Holder Body



RELATED PRODUCTS:

Maxi fuse see page 18
 LED Maxi fuse see page 18

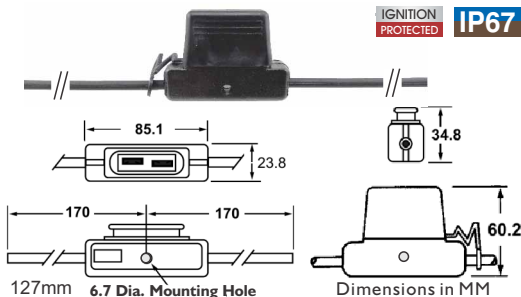


MAXI FUSE IN-LINE HOLDER SPLASH PROOF



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:

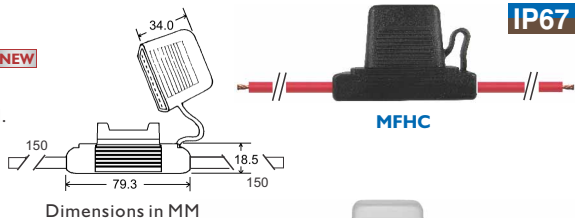


MAXI FUSE IN-LINE HOLDERS SPLASH PROOF



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



JCASE FUSE IN-LINE HOLDER SPLASHPROOF



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.

IP67
58V

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

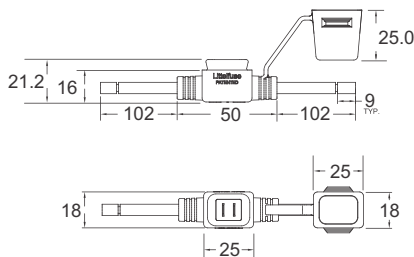
RELATED PRODUCTS:



Low Profile Jcase
(see page 20)



Jcase
(see page 21)



Dimensions in MM

MIDI FUSE IN-LINE HOLDER WITH COVER



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
04980921 GXM5	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

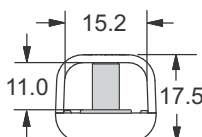


Assembled Holder

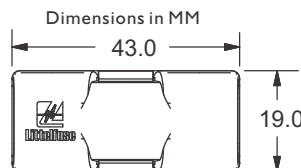
RELATED PRODUCT:



Midi Fuse
(See page 24)



Side View



Top View

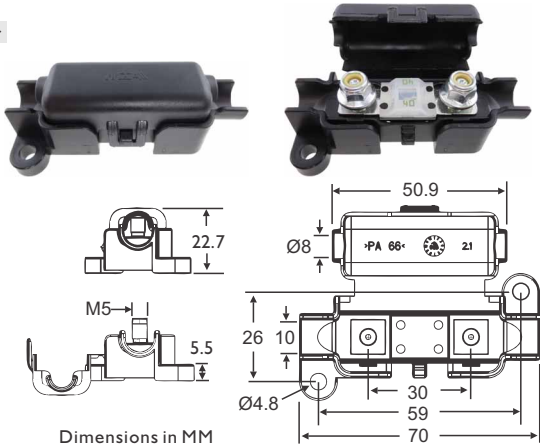
Dimensions in MM

MIDI FUSE BLOCK



Part Number	Description
MIDFBB	Midi Fuse Block with Hinged Cover

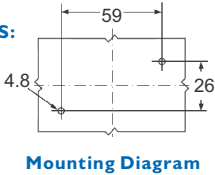
Rating: 125A **Voltage:** 32VDC
Body & Cover: Black PA66.
Accessories: Includes cover & flanged nuts.
Studs: M5 threaded studs. Steel / Zinc plated.
Torque Rating: 4.5 Nm
Features: Inline or surface mounting options.
Pack Size: 1, 10, 100, 500
Notes: Midi fuse is not included.
Approvals: RoHS



RELATED PRODUCTS:



Midi Fuse
(See page 24)



Mounting Diagram

Dimensions in MM

MEGA FUSE IN-LINE HOLDERS



NEW IP20

Part Number	Kit Description
00380	Fuse holder, M8 bolts and nyloc nuts.
00380K	Fuse holder, M8 bolts, nyloc nuts and 2 x 10-20mm ² & 2 x 25-35mm ² terminals.
00380K1	Fuse holder, M8 bolts, nyloc nuts and 2 x 10-20mm ² terminals only. 90A
00380K2	Fuse holder, M8 bolts, nyloc nuts and 2 x 25-35mm ² 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.

Fuse Inspection Window

Body Top

Flanged Nuts

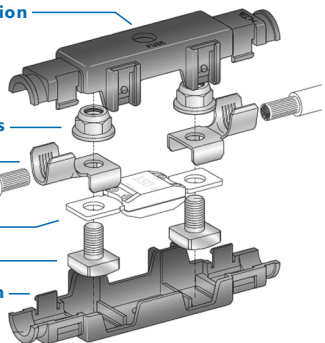
Terminal

Cable

Mega Fuse

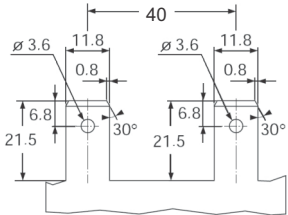
M8 Studs

Body Bottom



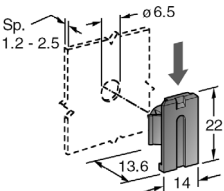
Suits wires up to 32mm²

Lateral Fixing Plate



Snap Mount Fixing Plate

Slide locks to holder.
 Snaps into to panel hole.



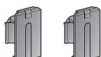
RELATED PRODUCTS:



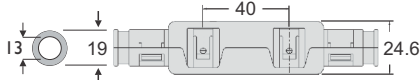
Mega Fuses
(See p.25)



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



Fixing Plates
2pcs req'd per holder



Dimensions in MM

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

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

Tap & Fuse Kit Retail Clam Shell

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

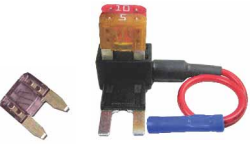
Approvals: 



(Micro2 Fuse) FHC200



(Low Pro Mini) FHL200



(Mini Fuse) FHM200



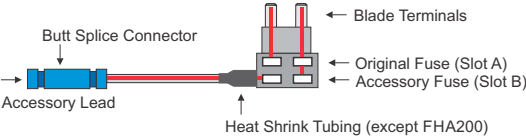
(Auto Fuse) FHA200



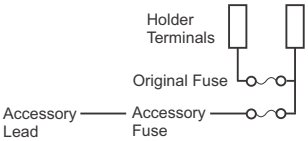
Tap & Fuse Kits

(Micro3 Fuse) FHD200

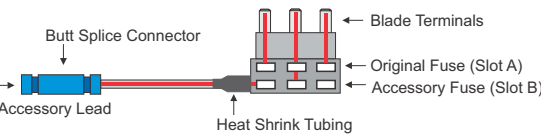
Add-a-Circuit: 2 Terminal Blade Fuse Type.



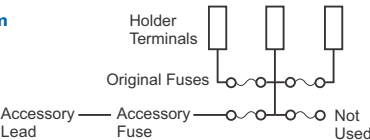
Circuit Diagram
FHC200, FHL200,
FHM200, FHA200



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



Circuit Diagram
FHD200



FUSE HOLDERS

Scan this QR Code for more information



QR Code: 7014

PROLEC

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

BLADE FUSE TAP KITS

PROLEC

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

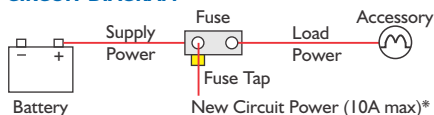
Part Number	Kit Includes Instruction Sheet Plus;
MIN-TAPSP	5x Mini blade fuse taps, 5x insulated female terminals.
ATOF-TAPSP	5x Auto blade fuse taps, 5x insulated female terminals.

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



Fuse Tap **Insulated Terminal**



Mini Tap Terminals: 2.8mm (1.87")



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

3 CIRCUIT BATTERY POWER FEED / GROUND TAPS

EAT•N **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.

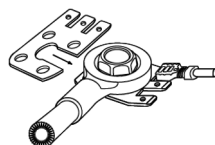
Grounding Application: Once mounted onto the frame, the tap provides three 6.35mm (1/4") quick connect terminals that can be used to ground accessory products.

Terminals: 3 x 6.35mm (1/4" QC)

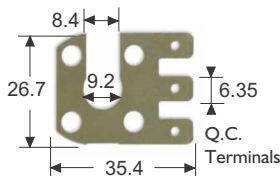
Note: Always install an inline fuse holder to protect the accessory.

Pack Size: 1, 10, 100

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



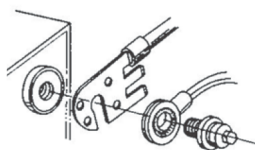
**Stacked
Battery Taps**



BAT-TAP



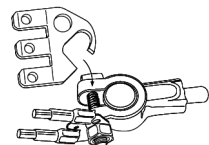
BAT-TAP-POST



Battery Screw Mounting



Frame Ground Mounting



Battery Post Mounting



Frame Grounding Mounting

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)

FUSE SOCKET CONNECTORS

PROLEC

Fuse Socket Uses:

- Check current draws.
- Check short / open circuits.
- Check voltage.
- Tap power to energize.

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

Pack Size: 1, 10, 100
Notes: 30A Max.

**CIRCUIT
DIAGRAM**



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

Terminal Barrier



FSC-MINI



FSC-AUTO

NEW

FUSED SOCKET CURRENT LOOP KIT - 2pcs

PROLEC

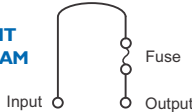
The Fuse Socket Current Loop provides end user easy testing access when using a current probe to determine the amperage draw through a fused circuit. Maximum testing range is up to 30 Amp. The Perfect tool for installer who needs to monitor circuit amperage limits.

NEW

Part Number	Kit Contains Both Units
FSCL-KIT	1pc Mini Blade Socket 2.8mm + Mini Inline Fuse Holder 1pc Auto Blade Socket 6.35mm + Auto Inline Fuse Holder

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

**CIRCUIT
DIAGRAM**



Mini Blade



Auto Blade

FUSE HOLDERS

FUSE SOCKET SHORT CIRCUIT DIAGNOSTIC KIT - 17pcs

PROLEC

This 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.

NEW

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



**Fuse
Puller**



**Mini Blade
Circuit Breakers**



**Auto Blade
Circuit Breakers**



Mini and Auto Blade Sockets With Cable



PROLEC

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

MICRO2 FUSE BLOCKS LATERAL CONNECTION

EAT-ON Bussmann

Part Number	No. Poles	Max Amps Per Block
FB4-ATR	4 Pole	30A
FB6-ATR	6 Pole	45A

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

Options: Also available in 8 & 10 way.

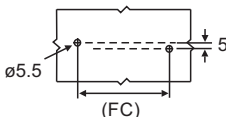
Notes: Fuses not included.

FB4-ATR

83 (L) x 45 (W) x 39 (H)

Fixing Centre (FC): 65mm

Mounting Diagram



1/4" Quick Connects



FB6-ATR

103 (L) x 45 (W) x 39 (H)

Fixing Centre (FC): 85mm

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.

Part Number	Kit Description
01435K	Mini Fuse Block Kit Includes: 1 x 01430 (7 way frame) 7 x 01420 (Mini fuse modules) 16 x 08330BK (Bulk terminals 0.35 - 0.75mm ² 9A) 16 x 08331BK (Bulk terminals 1 - 2 mm ² 16A) 16 x 08332BK (Bulk terminals 2.5 to 4mm ² 28A)

Voltage: 32V

Body: Black rubber (PA 66 GF30)

Terminals: Tin plated copper

Terminal Options: BK = Bulk Pack.

Pack Size: 1, 400

Notes: Cable ties not supplied. Fuses not included.

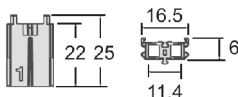
Approvals: RoHS

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

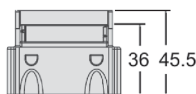


Storage for 3 spare fuses.

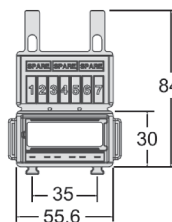
Fuse Housing



Fuse Frame



Dimensions in MM

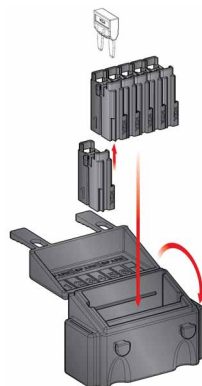
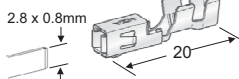


RELATED PRODUCTS:



Mini Fuses
(see p. 15)

Female Terminal



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	Long Base GTP is Fitted	Number of Positions
Part Number	Part Number	
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

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 1 pc. 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.



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

RELATED PRODUCTS:



Auto Fuses
(see p.17)

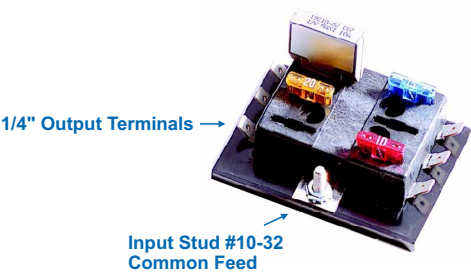


LED Auto Fuses
(see p.17)

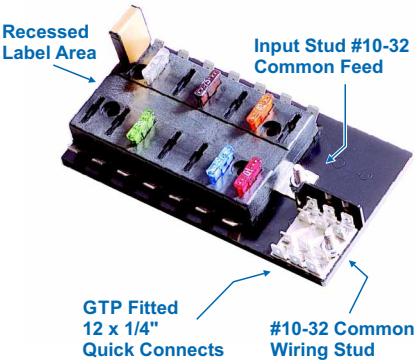


Auto Bladed Breakers
(see p.49 - 51)

Short Base Without GTP

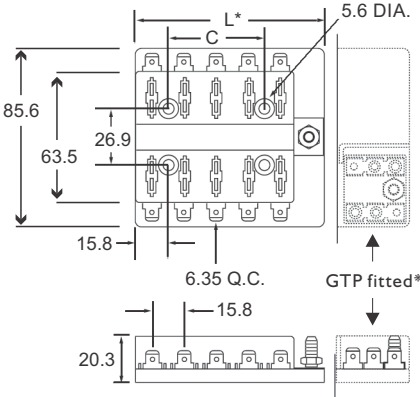


Long Base With GTP



FUSE HOLDERS

Single Stud, Single Supply Circuit



AUTO FUSE BLOCKS LATERAL CONNECTION



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.

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

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.

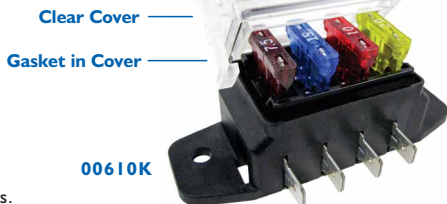
Mounting: M5 screw

Pack Size: 1, 10, 100, 500

Notes: Each fuse branch is independently powered.
Fuses are not included.

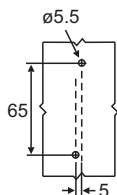
Approvals: RoHS

IPX4

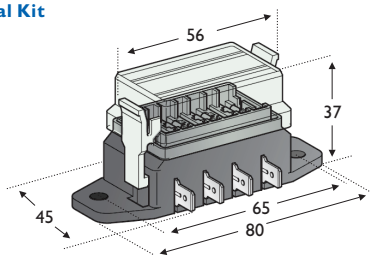


Lateral Connection
1/4" Quick Connects

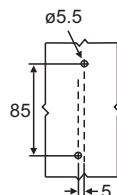
Mounting Diagram - 00610K



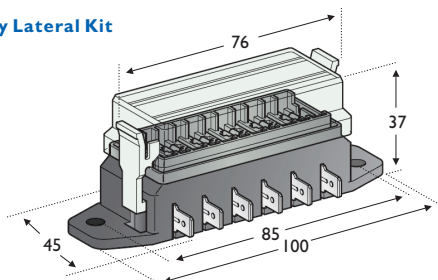
4 Way Lateral Kit



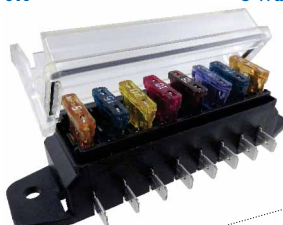
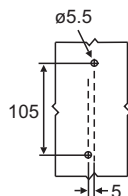
Mounting Diagram - 00600K



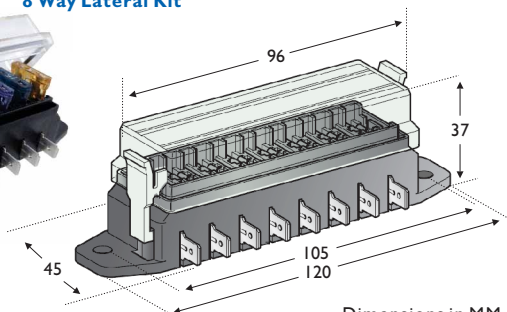
6 Way Lateral Kit



Mounting Diagram - 00590K



8 Way Lateral Kit



RELATED

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

Dimensions in MM

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 0750I
00560K	6 Pole	100A	12 x 0750I
00580K*	8 Pole	135A	16 x 0750I

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. # 0750IBK.

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.

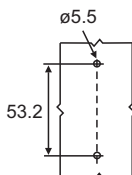
Approvals: RoHS



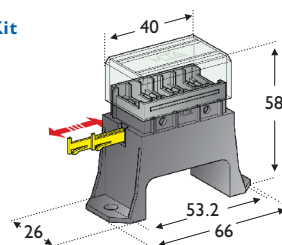
00540K

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

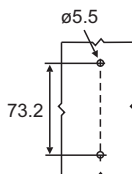
Mounting Diagram - 00540K



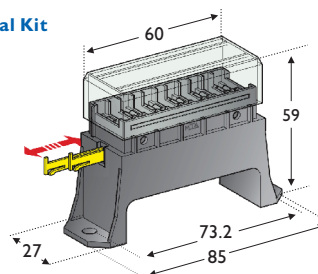
4 Way Axial Kit



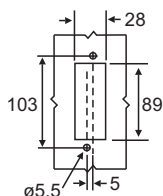
Mounting Diagram - 00560K



6 Way Axial Kit



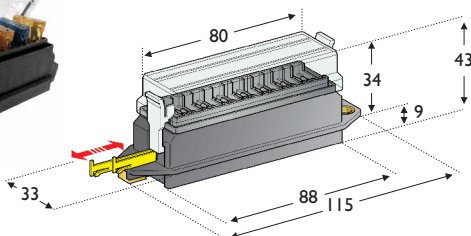
Mounting Diagram - 00580K With Panel Cut Out



Gasket →
Threaded Insert (M5)



8 Way Axial Kit



Dimensions in MM

RELATED

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



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

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 & G.T.P.
MFP12SCGTP	12 Way auto fuse panel with cover & G.T.P.

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")

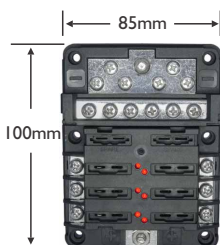
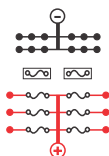
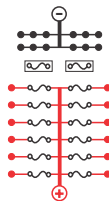
Base Colour: Black **Cover:** Clear

Operating Temperature: -20°C to +60°C

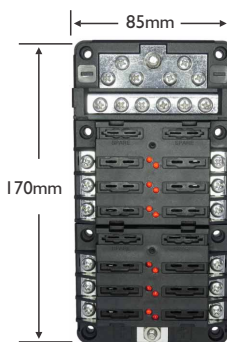
Screws & Lock Washers: Included.



65pc Sticker Assortment Set



Height with cover 42mm



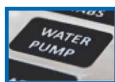
Height with cover 42mm



6 Way Fuse Panel With GTP

12 Way Fuse Panel with GTP

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



Recessed area for stickers.
(65pcs included)

RELATED PRODUCTS:



Auto Fuses
(see p.17)



Protective clear cover included.



M5 input stud positive feed.

M5 Stud
negative distribution

M4 Screw terminals

2 x Spare fuse positions

6 x Fuse positions

Screw connect terminals



Blown fuse LED indicator.

AUTO FUSE 6 & 12 WAY PANELS



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



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.

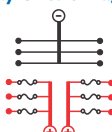
Mounting: 4 x M5 holes.

Base: Black Polycarbonate.

Cover: Clear PBT.

Notes: Fuses are not included.

6 Way Circuit Diagram

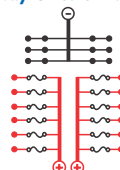


Dual Power Input

Sticker Set



12 Way Circuit Diagram



Dual Power Input

RELATED PRODUCTS:



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



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



Height 58mm Dimensions in MM

FUSE HOLDERS

AUTO FUSE 12 WAY PANEL

Features:

- Suits auto fuses. Transparent cover stores two spare fuses.
- Single power studded input & single ground stud.
- 84pc sticker label set included.

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.

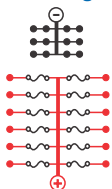
Notes: Fuses are not included.

Approvals: Cover satisfies ABYC / USCG insulation requirements.

Push Button Latch

2 x Spare
Fuse Positions

12 Way Circuit Diagram



Negative Input (-)



Positive Input (+)

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



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

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	Inc Breaker Cover	Number of Poles	Buss Type	Set Up
Part Number	Part Number			
I5711-12-21A	I5711-12-22A	12 Pole	Single Bus	12
I5712-08-04-21A	I5712-08-04-22A	12 Pole	Dual Bus	8 + 4
I5712-10-06-21A	I5712-10-06-22A	16 Pole	Dual Bus	10 + 6
I5712-14-06-21A	I5712-14-06-22A	20 Pole	Dual Bus	14 + 6
I5712-12-08-21A	I5712-12-08-22A	20 Pole	Dual Bus	12 + 8
I5712-12-12-21A	I5712-12-12-22A	24 Pole	Dual Bus	12 + 12
I5713-16-08-11A	I5713-16-08-22A	16 Pole	Triple Bus	8 + 4 + 4
I5713-20-12-21A	I5713-20-12-22A	20 Pole	Triple Bus	12 + 4 + 4
I5714-20-06-21A	I5714-20-06-22A	20 Pole	Quad Bus	6 + 4 + 4 + 6

Part Number	Description
I2020321	Female Terminal Brass # 16-14 (1.0-2.0mm ²)
I2020400	Female Terminal Brass # 12-10 (3.0-5.0mm ²)
I5710-TP	Secondary lock secures 8 output terminal positions
PROBRK007K	Bracket kit, stainless steel, inc. screws & washers
I2094430	Output terminal removal tool (page 186)
06285847	Terminal crimping tool (page 186)

NEW 



Bracket Kit



Terminals



Secondary Lock TPA

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 and triple 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.

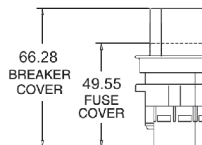
Output Wire Sizes: # 16 - 10 AWG / 1.0 - 5.0mm²

Secondary locks: Secure output terminals. Each lock secures 8 positions.

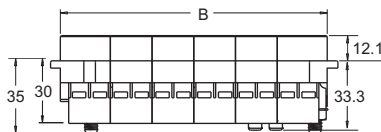
(Please order multiple locks to cover length of selected terminal block).

Pack Size: Stock lines 1pc. Customised indent items 24pcs.

Notes: Fuses & breakers not included. Terminals must be ordered separately as above.



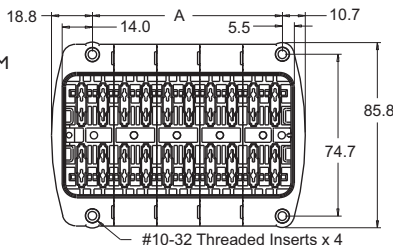
FUSE BLOCK HEIGHT
(Excludes Input Studs & QC's)



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



#10-32 Threaded Inserts x 4

Rear Panel Mounted 20 Way Auto Fuse Block Without Lid

Scan the QR Code for more information



QR Code: 7015

AUTO FUSE BLOCK SEALED REAR TERMINAL - 10 WAY



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.

NEW

IP67

80V

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.



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 5mm² (#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.

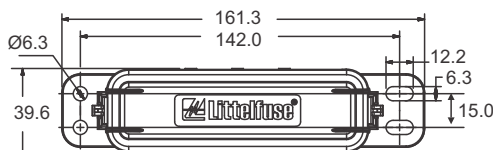
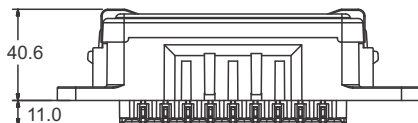
Notes: Fuses, terminals, cable seals or cavity plugs are not included.

Pack Size: 1



PDMKIT611

FUSE HOLDERS



Dovetail Slots →

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



58V

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

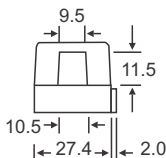
Pack Size: 1, 10, 100

Notes: The holders feature a stackable side design to allow multiple holders to be joined together. Fuse is not included.

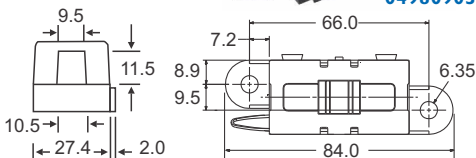
Approvals: **RoHS**



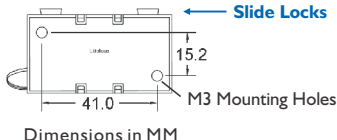
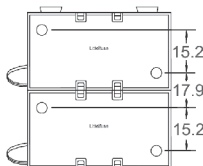
04980900



04980903



Gang Mount Setup



RELATED PRODUCTS:



32V Midi Fuse
(see p.24)



58V Midi Fuse
(see p.24)

MIDI FUSE BLOCK GANGABLE 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 Midi fuses. The holder is built with special automotive grade materials to withstand high fault currents and temperatures.

Part Number
BHR030-15-M5



adler

NEW

65V

Voltage: 65VDC

Rating: 200A

Body: Black PA + GF VO

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.

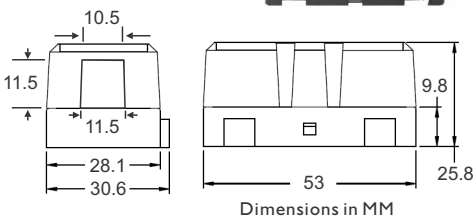
Fuse is not included.

Approvals: **RoHS**

Fuse window



Side locks



RELATED PRODUCTS:



32V Midi Fuse
(see p.24)



58V Midi Fuse
(see p.24)

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
LMI I-E-I-0	Midi Fuse Block (2 x 10-32 studs)
LMI I-E-I-1	Input Module (1 x 5/16"-18 stud)
LMI I-M-I-0	Midi Fuse Block (2 x M5 studs)
LMI I-M-I-1	Input Module (1 x M8 stud)
B 109-7091-2	Busbar 2 holes - (spans 2 modules)
B 109-7091-3	Busbar 3 holes - (spans 3 modules)
B 109-7091-4	Busbar 4 holes - (spans 4 modules)
B 109-7091-5	Busbar 5 holes - (spans 5 modules)
B 109-7091-6	Busbar 6 holes - (spans 6 modules)
B 109-7091-7	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.

Accessories: Busbars - see details below.

Pack Size: 1, 10, 100

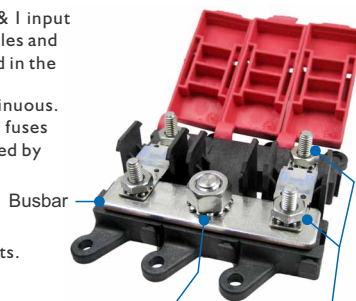
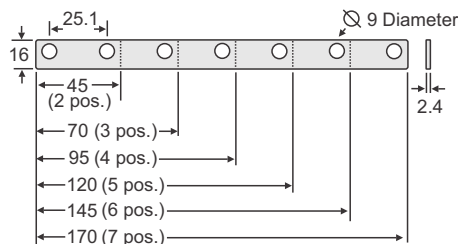
Options: Pre-assembled with specified Midi fuses for OE requirements.

Notes: The modules feature a stackable side design to allow multiple modules to be joined together. Fuses & busbars are not included with blocks.

Approvals: RoHS



Busbar Accessories



Busbar

Single Stud Input Module

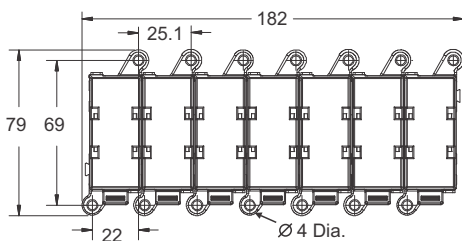
Dual Studs Fuse Block

Sample Configuration:

- 2 x Midi Fuse Blocks
- 1 x Input Module
- 1 x Busbar (3 holes)



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)

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



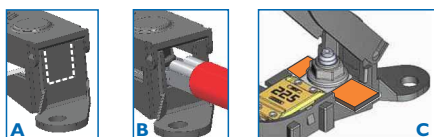
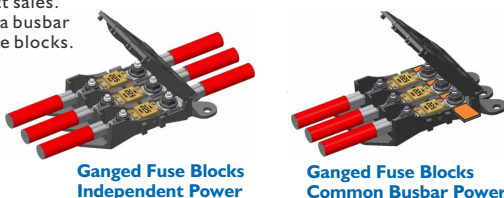
NEW
IP20

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.



A
Removable
Top Wall

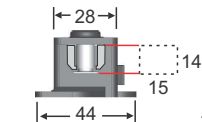
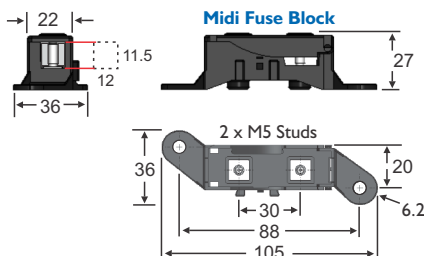
B
Input Cable
Top Entry

C
Busbar Accessory
No Cut-out Required

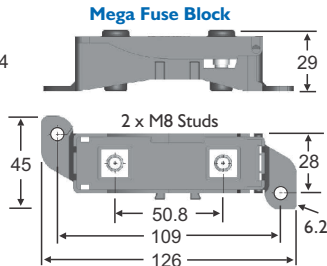
Scan this
QR Code
for more
information



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)

MEGA FUSE BLOCK SEALED & IGNITION PROOF



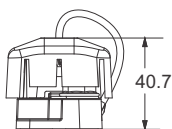
IP69K **IP66** **IGNITION PROTECTED** **70V**

Features

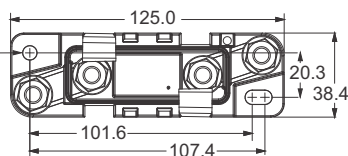
- High amperage circuit protection in harsh / hazardous environments.
- Waterproof sealed fuse compartment protects fuse from corrosion.
- Ignition protected to SAE J1171 and ISO 8846 for installation in a battery box or on vehicles carrying hazardous loads.
- Stainless steel hardware and tin-plated 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

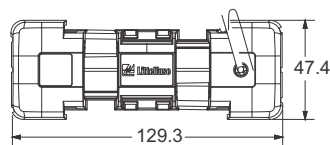
Voltage: 70VDC
Rating Max: 500A, 375A continuous.
Input Studs: M8 stainless steel.
Ignition Protected: SAE J1171 and ISO 8846
Ingress Protection: IP66 / IP69K
Operating Temperature: -50°C to +125°C
Shock: 50 G's **Vibration:** 8 G's
Input Terminal Stud Torque: 20Nm, Max 30Nm.
Mounting Fuse Stud Torque: 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.



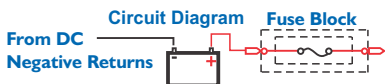
Dimensions in MM



Base



Cover



MEGA BATTERY DISTRIBUTION UNIT POST MOUNT



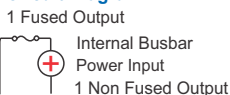
Features:

- 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.

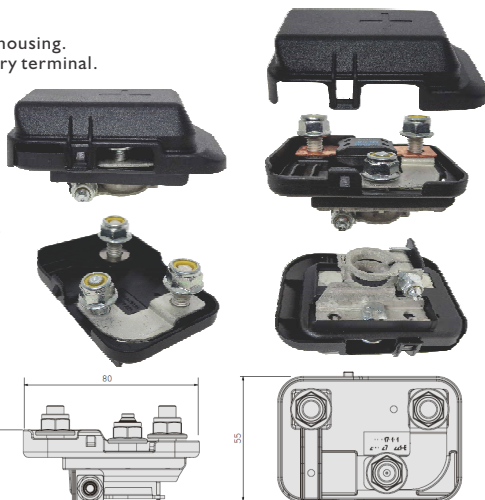
Circuit Diagram



RELATED PRODUCTS:

Mega fuse
 (see p.25)

Powerval
 (see p.26)



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

The MIDI-Flex fuse holder is used with the MIDI style bolt-down fuse, which is available up to 200 A. This holder offers a flexible cover, which allows cable entry from virtually any direction, large wire size, and ring terminal stack up. Slots on the base allow holder to be mounted with tie wraps. Dovetail features allow you to interlock multiple MIDI-Flex fuse holders together for a high power distribution block. Bus bars are available for multiple holder applications.

Features

- Flexible cover allows for cable entry from virtually any direction allowing for easier installation.
- Dovetail features allow you to interlock Flex holders together to create a high power distribution block. Combine with the MEGA-Flex fuse holder for a high and low amperage solution.
- Slots are moulded into the base that allow the holder to be securely mounted with tie-wraps.
- Zinc plated steel hardware and tin-plated 100% pure copper optimize long-term corrosion protection.

Part Number	Description
04981038	Fuse Block with M5 Studs & Cover
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

Accessories: Includes cover, hex nuts & split washers.

Studs: M5 threaded zinc plated steel studs.

Flammability: UL94 V-0

Wire Size: 8mm² to 35mm²

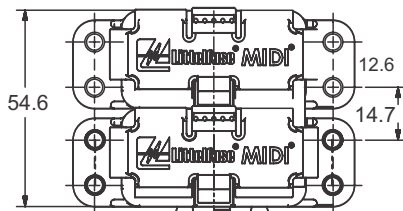
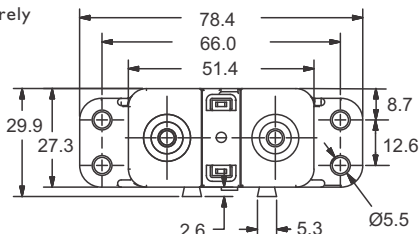
Operating Temperature: -40°C to +125°C

Pack Size (bag): 1, 10, 100, 500

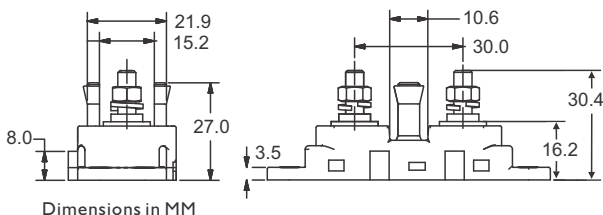
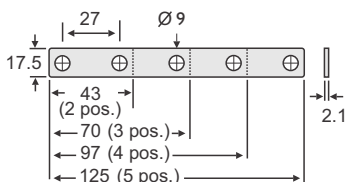
Notes: The holders feature a stackable side design to allow multiple holders to be joined together. Fuses are not included. The busbar needs to be installed first, followed by the Midi fuse, the split washer and finally the hex nut.



Midi-Flex Fuse Block



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 Setup

The MEGA-Flex fuse holder is used with the MEGA bolt-in fuse, available in ratings 40A to 500A. This block features a flexible cover which allows cable entry from virtually any direction, large wire size, and ring terminal stack up. Slots on the base allow holder to be mounted with cable ties or surface mount using standard screw holes. Bus bars are also available for common power feed across multiple holders. Dovetail features allow you to interlock multiple MEGA-Flex holders 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 flexible UL94V-0 Elastomer. Red colour optional.

Studs: M8 x 1.25 Zinc plated steel. Stainless steel optional.

Nuts & Washers: Same material as studs.

Bus Bar Material: Tin plated copper.

Temperature Rating: -40°C to 125°C

Wire Size: 8mm² to 35mm²

Accessories: Includes cover, hex nuts & split washers.

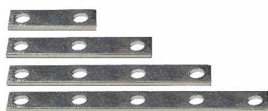
Pack Size: 1, 10, 100

Notes: Fuse & busbar are not included.

Approvals:



Mega-Flex Fuse Block

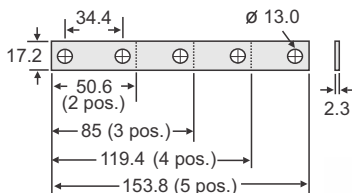
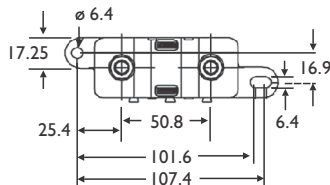
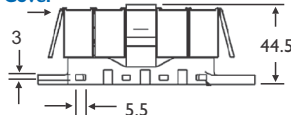


Bus Bar Accessories



Multipole with Bus Bars

Flexible Cover



RELATED PRODUCTS:

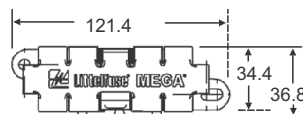


32V Mega Fuse
(see p.25)



70V Mega Fuse
(see p.25)

**Midi-Flex & Mega-Flex
fuse blocks combined.**



Dimensions in MM

MEGA FUSE BLOCK HARD COVER 70V



70V

The Littelfuse MEGA® Bolt-Down Series High Current Fuse Holder is ideal for battery and alternator connections as well as providing ultra-high current protection for other types of heavy gauge cables. Interlocking pins on the sides let you connect additional fuse holders for multi-fuse applications.

Part Number	Description
02981001	Fuse Block with Hard Cover

Voltage: 70VDC **Rating:** 500A

Body & Cover: Black glass filled thermoplastic.

Fuse Block: Includes cover, hex nuts & lock washers.

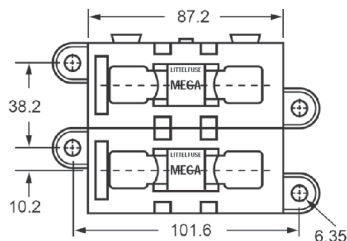
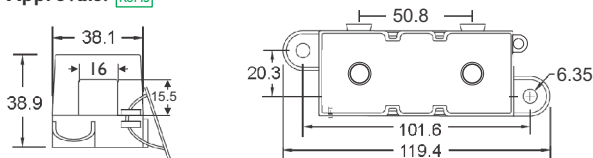
Studs: M8 threaded. **Torque Rating:** 5 Nm.

Features: Gang mount, stackable side design.

Pack Size: 1, 10, 100

Notes: Fuse is not included.

Approvals: 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

EATON **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 optional.

Fuse Block: Includes cover & sems nuts. **Wire Size:** #8 AWG / 8mm²

Studs: Zinc plated steel studs. **Torque Rating:** 13.5 Nm.

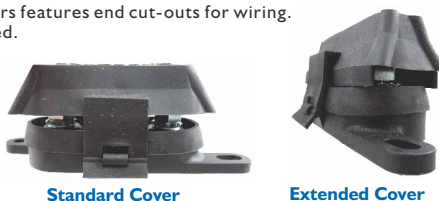
Features: Cables can be routed to studs from nearly any direction.

Pack Size: 1, 10, 100

Notes: Both covers features end cut-outs for wiring.

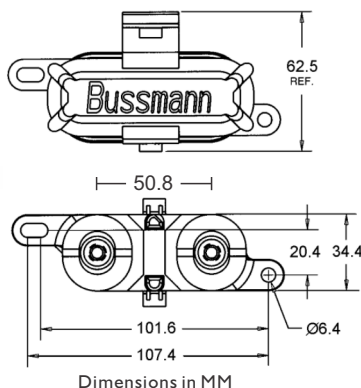
Fuse is not included.

Approvals: RoHS



Standard Cover

Extended Cover



Dimensions in MM

RELATED PRODUCTS:

 **Mega Fuses**
(see p.25)

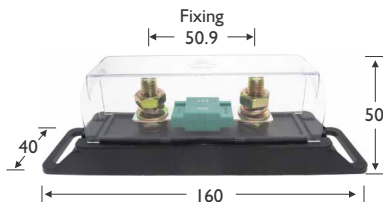
MEGA FUSE BLOCK WITH CLEAR COVER 100V



Part Number	Description
BHR059-25-M8	Fuse Block with Clear Cover

NEW
100V

Voltage: 100VDC
Rating: 500A
Studs: M8 **Studs Max Torque:** 12Nm
Operating Temperature: -40 to +125°C
Hardware: Nuts and washers included.
Pack Size: 1
Notes: Fuse not included.



Dimensions in MM

RELATED

PRODUCTS:



Mega Fuse 32V
(see p.25)



Mega Fuse 70V
(see p.25)

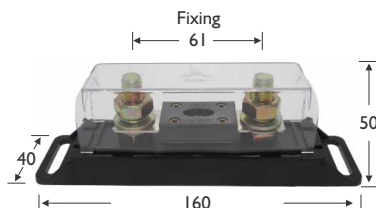
LIFT TRUCK FUSE BLOCK WITH CLEAR COVER 120V



Part Number	Description
BHR061-25-M10	Fuse Block with Clear Cover

NEW
120V

Voltage: 120VDC
Rating: 800A
Studs: M10 **Studs Max Torque:** 14.3Nm
Operating Temperature: -40 to +125°C
Hardware: Nuts and washers included.
Pack Size: 1
Notes: Fuse not included.



Dimensions in MM

RELATED

PRODUCTS:



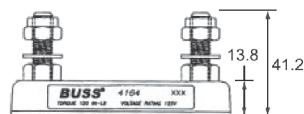
FBT Fuses 48V-80V
(see p.26)

LIFT TRUCK FUSE BLOCKS 80V

EATON **Bussmann**
80V

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

Rating: 800A
Voltage: 125VAC / 80VDC
Base: Thermoplastic
Studs: 5/16" - 24 (M8)
Torque: 120 In-Lbs.
Pack Size: 1, 10, 50, 100
Notes: Countersunk mounting holes to suit No. 10 flat head screws. Fuses not included.



RELATED PRODUCTS:



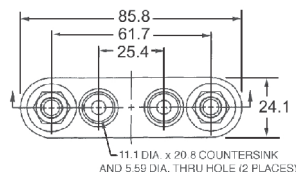
FBT Fuses
(see p.26)



ANL Fuses
(see p.27)



ANN Fuses
(see p.27)



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

EV FERRULE & BOLTED TAG FUSE BLOCKS 10.3MM DIA.



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



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.

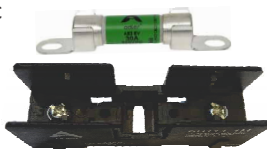
Mounting: Screw, bolt or 35mm DIN Rail.

Feature: Slide lock design.

Pack Size (box): 1, 10, 100

Notes: Fuse not included.

Approvals: TUV



**Flush Tag Fuse Block
Screw Terminals**



**Cartridge Fuse Block
Screw & 1/4" QC Terminals**

RELATED PRODUCTS:



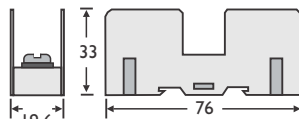
EV Cartridge Fuse
(see p.32-34)



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



Gangable Slide Lock



Dimensions in MM

EV / EVSE BOLTED FUSE BLOCKS MODULAR



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-I.

Studs: Steel, Zinc Plated

Hardware: Includes nut & spring washer.

Pack Size (box): 1 (stock lines), 50 (indent items).

Notes: Fuse not included.

**Fuse blocks with
fuse installed.**



RELATED PRODUCTS:



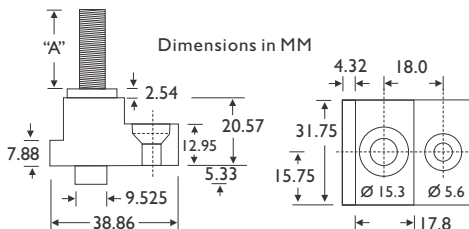
**Class T Fuse
160V**
(see p.31)



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



**EV Fuse
1000V**
(see p.34)



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.

NEW
1000V

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

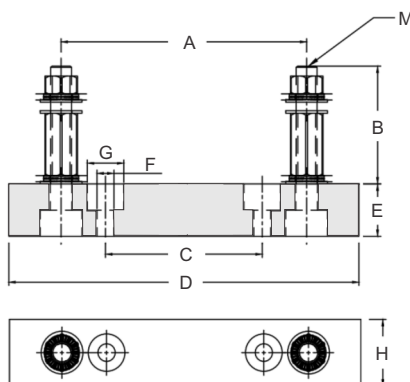
Studs: Stainless steel.

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



Features

- Modular design reduces inventory requirements.
- Supplied with nut and Belleville washer.
- 200kA (VAC), 250kA (VDC) short-circuit withstand rating.



NEW
1500V

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

Insulator Material: Molded Phenolic (150°C Max)

Terminal Material: Steel, Zinc Plated.

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:



LSCR001



LSCR002

RELATED PRODUCTS:



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

Scan this QR Code for more information



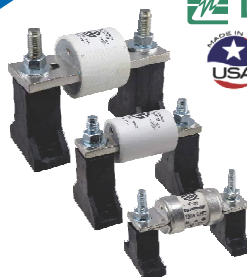
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CLASS T, EV & EVSE BOLTED FUSE BLOCKS MODULAR



Features

- Modular design reduces inventory requirements.
- Supplied with nut and Belleville washer.
- 200kA short-circuit withstand rating.



NEW
1500V

Part Number	Ampere Rating	Terminal Stud Size (Metric)	Suggested Stud Torque
LSCRI01	400A	1/4"-20 (6.35mm)	7.6-9.3 Nm
LSCRI02	800A	3/8"-16 (9.52mm)	23.4-28.6 Nm
LSCRI03	1200A	1/2"-13 (12.7mm)	30.5-37.3 Nm

Voltage: 700VAC / 1500VDC

Insulator Material: Thermoplastic (125°C Max)

Terminal Material: Steel, Zinc Plated.

Ordering Information: Sold as single blocks. (order 2 blocks per fuse).

Notes: Fuse not included.

Approvals:



LSCRI01



LSCRI02



LSCRI03

RELATED PRODUCTS:



Fuse Block	Class T Fuse	AE5 500V	AE7 800V	AEX 1000V
LSCRI01	70A - 200A	50A - 400A	60A - 150A	-
LSCRI02	225A - 800A	-	175A - 600A	175A - 600A
LSCRI03	1000A - 1200A	-	-	-

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QR Code: 7018

Power Distribution Units, Blocks & Studs

Engineered solutions.



Power Distribution Units

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NEW

Features:

- 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
CFBAR1M8SPKB	Single	3/8" (M10)	M8	Black
CFBAR2M8SPRK	Double	3/8" (M10)	M8	Red
CFBAR2M8SPKB	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

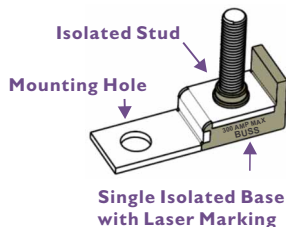
Busbar: Nickel plated copper

Fuse Bar Stud: Stainless steel. Two options 1/4"-20 or M8.

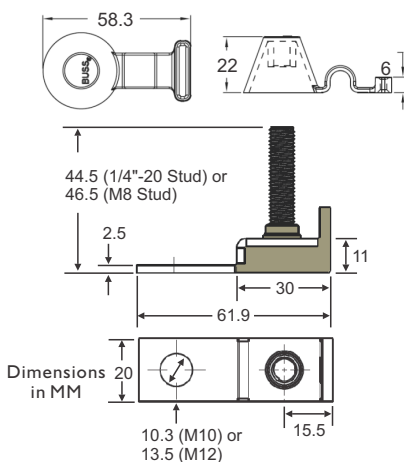
Kit Contents: Includes S/S nuts, washers and insulating cover.

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 POLE STUD COVER AND BAR



Red Cover

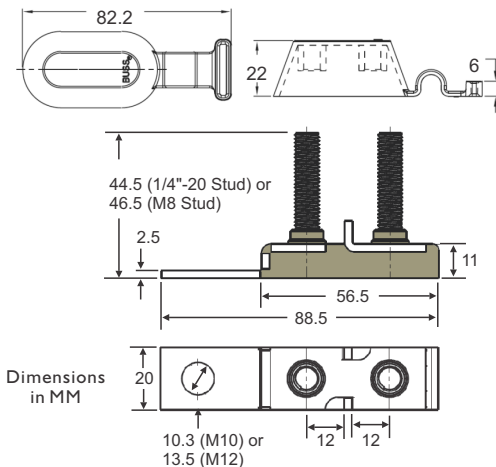
Black Cover

RELATED PRODUCTS:



MRBF fuses
See page 28.

DOUBLE POLE STUD COVER AND BAR



Ring terminal fused protection to accessory

BATTERY TERMINAL

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QR Code: 3000

ZCASE M8 FUSE BATTERY STUD MOUNT BARS 1 POLE



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.

NEW

80V

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	Kit Description - 1 Pole Fuse Bar
0FHZ0201Z	Fuse Bar, M8 Mount with Fuse & Stud Cover
0FHZ0202Z	Fuse Bar, M8 Mount with Fuse Cover
0FHZ0211Z	Fuse Bar, M10 Mount with Fuse & Stud Cover
0FHZ0212Z	Fuse Bar, M10 Mount with Fuse Cover



Fuse Bar with Fuse-Stud Cover



Fuse Bar, Fuse & Fuse Cover



Multiple Mounting Arrangement



Single Pole M8 Isolated Fuse Stud Pictured Without Fuse

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.

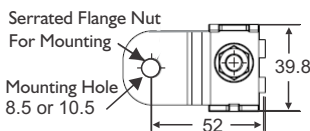
RELATED PRODUCTS:



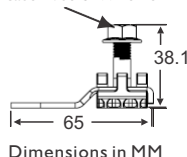
Zcase M8 fuse & Shunt
(see page 29)



MRBF M8 fuse
(see page 28)



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



ZCASE M8 FUSE BATTERY POST MOUNT BARS 2 & 3 POLES



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)

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information



QR Code: 9030



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5 & 7 POSITION ZCASE FUSE BLOCK



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

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.

RELATED PRODUCTS:

Zcase Fuse
(See page 29)



Zcase Shunt
(See page 29)

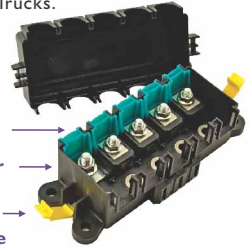


0FHZ0005Z

Green Covers

Sectional Copper Busbar

Secure Latch
Finger Release



Fuse Block Dimensions

5 Way: 217mm x 86mm x 59mm

0FHZ0007Z

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



Fuse Block Dimensions

7 Way: 281mm x 86mm x 59mm

Scan this
QR Code
for more
information



QR Code: 9037

BATTERY MOUNT FUSE HOLDER WITH BUSBAR 2-4 POLE



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

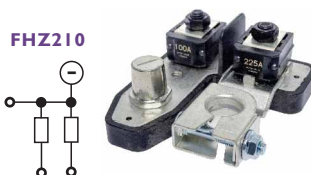
Cover Material: Black PBT UL94 V-0

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.

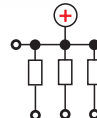
Notes: Zcase fuses are not included.



Two fused outputs.



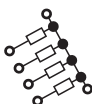
FHZ310



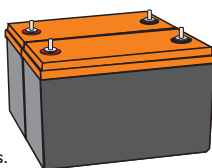
Three fused outputs.



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:



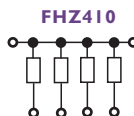
Zcase fuse
See page 29.



Zcase shunt
See page 29.



MRBF fuses
See page 28.



Four fused outputs.



POWER DIST.

JCASE FUSE MODULE SEALED - 3 POLE

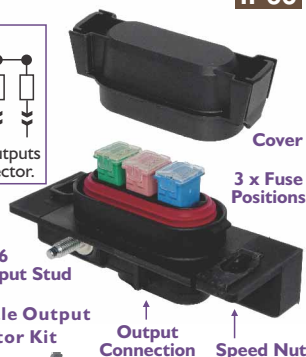
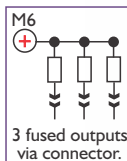
GEP
POWER PRODUCTS

NEW

IP66

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.

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 mm ²)
I2124685	3 Way Female Connector with Red Seal
I2045699	Connector TPA, Terminal Position Assurance
I2052457	Female Terminal 20-18AWG, 0.5 - 0.8 mm ² Wire
I2052455	Female Terminal 16-14AWG, 1 - 2 mm ² Wire
I2052456	Female Terminal 12-10AWG, 3 - 5 mm ² Wire
I5324997	Cable Seal, 1.60 - 2.40mm Diameter Wire, Tan
I5324995	Cable Seal, 2.00 - 2.90mm Diameter Wire, Red
I5324994	Cable Seal, 2.80 - 3.80mm Diameter Wire, Grey
I5324996	Cable Seal, 3.60 - 4.50mm Diameter Wire, Blue
I2059255	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.

RELATED PRODUCTS:

Jcase fuses 32V
(See page 21).



Female Terminals
Seals and Plug:



Scan this QR Code for more information



QR Code: 9043

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.

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



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").

RELATED PRODUCTS:

Midi fuses 32V
(See page 24).



Midi fuses 58V
(See page 24).



Scan this QR Code for more information



QR Code: 9042

FUSED BATTERY DISTRIBUTION UNIT 3 WAY STUD SIDE MOUNT

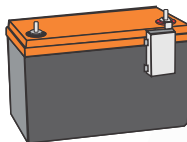


Features:

- 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.

90 Degree Busbar M8

NEW



Side Mount



Clip On Cover

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

Voltage: 32VDC

Rating: 90A Max at 85°C.

Hardware: Includes M5 flanged nuts.

Studs: M5 threaded zinc plated steel studs.

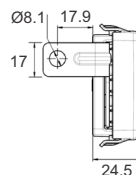
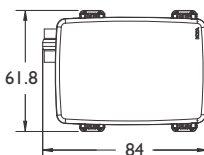
Flammability: UL94

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

RELATED PRODUCTS:

M8

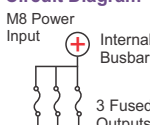


Midi fuse
See page 24



3 Way Post Terminal
See page 162

Circuit Diagram



FUSED BATTERY DISTRIBUTION UNIT 3 WAY POST MOUNT

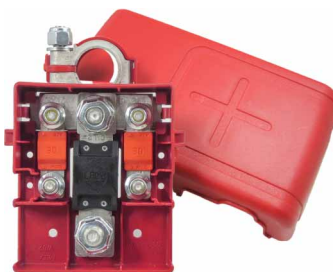


Features:

- 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.

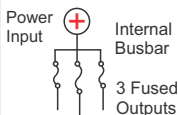
Note: Fused BDU includes 4 x M5 nuts with nylon insert, 2 x M8 nuts, 1 x M8 washer, busbar & housing. Fuses are not included.

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.

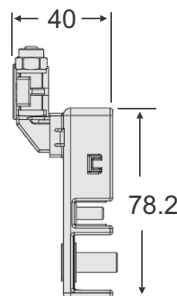
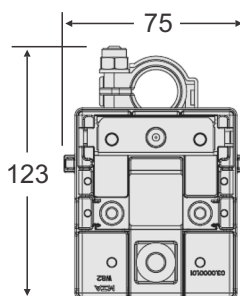


Base shown with fuses fitted

Circuit Diagram



Busbar



Dimensions in MM

RELATED PRODUCTS:



Midi fuse
See page 24



Mega fuse
See page 25



Powerval
See page 26



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

Features:

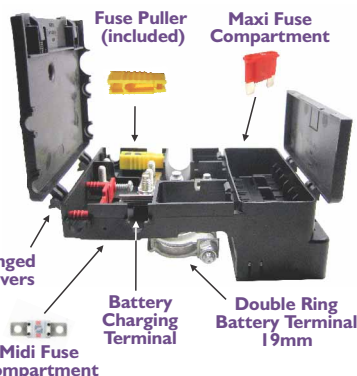
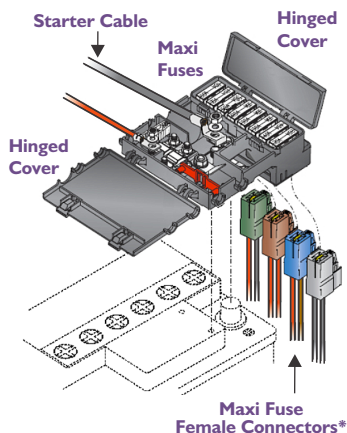
- Suits 8 x Maxi fuses & 2 x Midi fuses (not included).
- 2 Hinged covers for easy access to either Maxi fuses or Midi fuses.
- Simple double ring (19mm) connection to positive battery terminal.
- Includes battery charging terminal & one fuse puller.
- Opening for the starter cable to pass into unit.
- 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

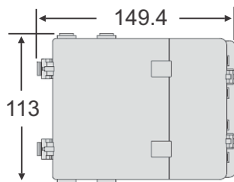
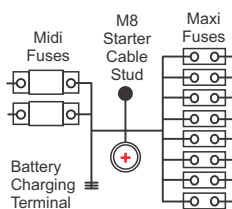
Number	Description
00710	10 Way Fused Battery Power Distribution Unit
40300	Maxi Fuse Connector Female Black - Non polarized
40310	Maxi Fuse Connector Female Blue - Polarized
40340	Maxi Fuse Connector Female Grey - Polarized
40325	Maxi Fuse Connector Female Green - Polarized
40330	Maxi Fuse Connector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

Ordering Notes:

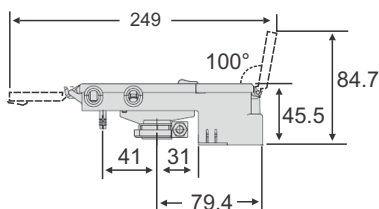
1. Distribution unit does not include fuses, terminals or connectors.
 2. Only 1 x Midi terminal is required for each Midi fuse.
 3. *Each connector plugs into 2 x Maxi fuses and requires 2 terminals.
- Non-polarized (black) connector plugs into any of the 4 sockets.
- Polarized connectors only plug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



Circuit Diagram



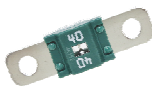
Dimensions in MM



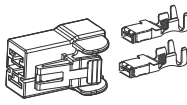
RELATED PRODUCTS:



Maxi Fuse
(see p.18)



Midi Fuse
(see p.24)



Maxi Fuse Connector & Female Terminals



(2.5 - 4mm²) (6.0 - 8mm²) (10 - 16mm²) (25-35mm²) Polarity B
Midi fuse M5 Terminals (Indent Items)

MEGA FUSE HIGH POWER DISTRIBUTION MODULE 2 POLE



The 2 Pole High Power Distribution Module (HPDM) 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.

IP67 IP69K 48V

Part Number	Description
0301887	2 Pole with cover 32V NEW
880195400	2 Pole with cover 48V

Voltage: Varies see above.
Max Input Current: 600A
Max Fuse Rating Per Circuit: 300A
Ingress Protection Rating: IP67, IP69K
Dimensions: 129 x 125 x 45mm
Notes: Mega fuses not included.
 Either side can be input or un-fused outputs.
 Un-fused output. (eg. starter).
 Two fused outputs.

Unfused Input
Output Studs*

*M10
Stud

Unfused Input
Output Studs*

*M10
Stud

Output A
M10 Stud

Output B
M8 Stud

M8 Mount

RELATED PRODUCTS:

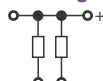


Mega Fuse 32V & 70V
(See p.25)



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

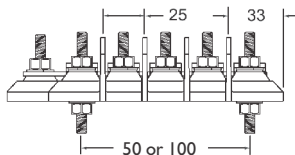
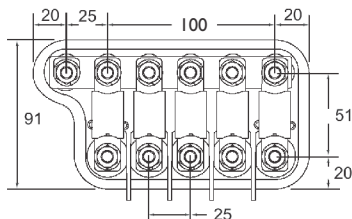
Heavy duty power distribution module for main branch primary fusing.
 Common busbar requires just one input connection to power all the fuses.

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

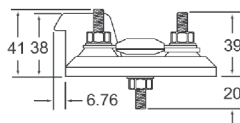
Rating: Maximum total combined rating is 300A continuous.
 Maximum ampere rating based on fuses, input & output wiring.
Body: Black UL-Rated 94 V0 thermoplastic.
Studs: 5/16"-18 plated steel (E), optional M8 metric studs(M).
Hardware: Includes busbar, nuts & lock washers.
Cover: Red EPDM (provides protection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



POWER DIST.



Dimensions in MM



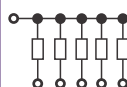
5 pole block has 3 input stud holes to provide 50 or 100mm spacing between the 2 studs.

RELATED PRODUCTS:

Mega Fuses (see p.25)



Circuit Diagram



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

4 X MEGA & 2 X MIDI DISTRIBUTION BLOCK



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.



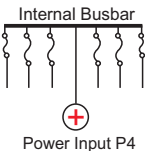
Part Number	Fuse Block Description
07981002ZXS	6 Pole Fuse Block with Cover, Busbar, Nuts & Washers.

Part Number	Seal & Plug Accessories	Colour	Cable Diameter	Position
868-952	Cable Seal suits Midi Fuse	Yellow	10 mm ²	P1, P7
868-953	Cable Seal suits Midi Fuse	Green	16 mm ²	P1, P7
868-955	Cable Seal suits Mega Fuse	Blue	16 mm ²	P2, P3, P5, P6
868-956	Cable Seal suits Mega Fuse	Yellow	25 mm ²	P2, P3, P5, P6
868-957	Cable Seal suits Mega Fuse	Yellow	35 mm ²	P2, P3, P5, P6
868-958	Cable Seal suits Input Cable	Yellow	50 mm ²	P4
868-951	Cavity Plug suits Midi Fuse	Grey	-	P1, P7
868-954	Cavity Plug suits Mega Fuse	Grey	-	P2, P3, P5, P6

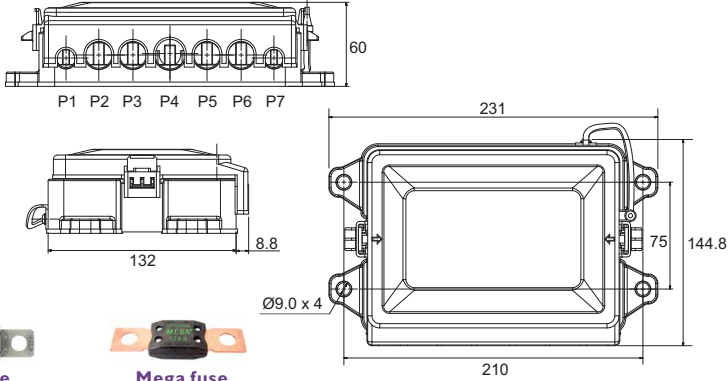
Note:
Seals must be fully pressed into block as shown in this image.



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)

2 X MEGA & 3 X MIDI DISTRIBUTION BLOCK 70V



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 ± 1Nm, 70V 9 ± 1Nm

Flammability Rating: UL94-V0

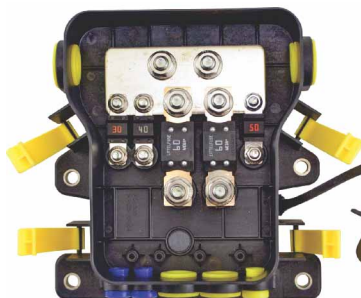
Cable Seals & Cavity Plugs Assortment: Included.

Ingress Protection Rating: IP69K with seals installed.

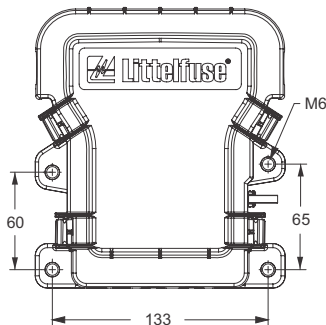
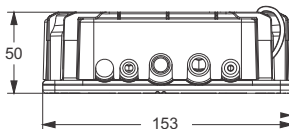
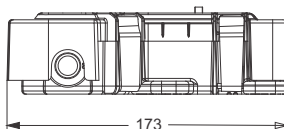
Seals / plugs must be installed to achieve IP66 rating. Please ensure seal flange is completely pressed through the hole to ensure a good seal on the inside of the block as shown in the image.

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.



POWER DIST.



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)



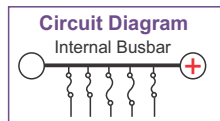
58V Midi Fuse
(see p.24)



32V Mega Fuse
(see p.25)



70V Mega Fuse
(see p.25)



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.

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

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)

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

M8 Stud Input

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).

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.

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 1.0
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)

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)

Scan this QR Code for more information



QR Code: 9036

6 X AUTO FUSE & 4 X MIDI FUSE PDM

TERRA
POWER SYSTEMS

Littelfuse

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.

NEW
IP59K
IGNITION
PROTECTED

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, (30A-200A MIDI® fuses and 1A-40A ATO® 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.

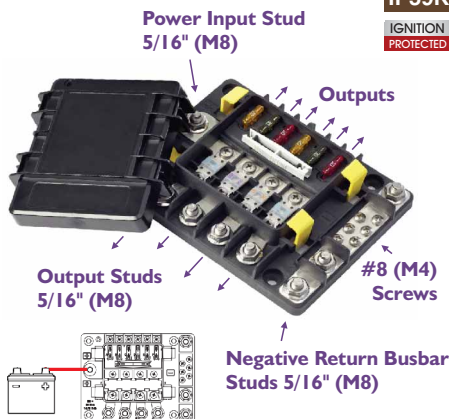
Max Cont. Current Per Circuit: 170A (Midi) / 30A (Auto).

Module Contents: Includes fuse puller, cover & gasket.

IP Rating: IP59K

Dimensions: 165 x 127 x 51 mm.

Notes: Auto fuses & Midi fuses not included.



RELATED PRODUCTS:



Scan this QR Code for more information



QR Code: 9021

6 X AUTO FUSE & 4 X MIDI FUSE PDM

TERRA
POWER SYSTEMS

Littelfuse

Protect high and low-amp circuits via a Midi Fuse with a collection point for ground returns. Ignition protected fuse block with screw termination.

NEW
IP59K
IGNITION
PROTECTED

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, (30A-200A MIDI® fuses and 1A-40A ATO® 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).

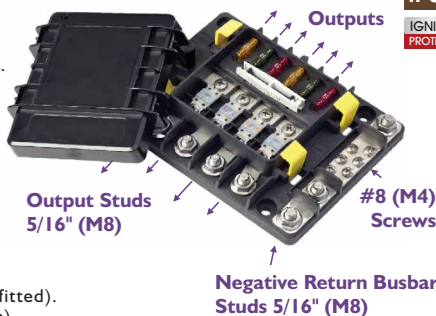
Max Cont. Current Per Circuit: 170A (Midi) / 30A (Auto).

Module Contents: Includes fuse puller, cover & gasket.

IP Rating: IP59K

Dimensions: 165 x 127 x 51 mm.

Notes: Auto fuses & Midi fuses not included.



RELATED PRODUCTS:



Scan this QR Code for more information



QR Code: 9044

PROLEC

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

FUSED BATTERY DISTRIBUTION UNIT 3 WAY

MTA

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.

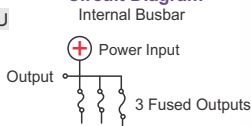
Part Number	Description
0300839	1x Mega Fuse + 2x Midi Fuse BDU

Voltage: 32V

Pack Size: 1, 10, 20

Notes: Fuses are not included.

Circuit Diagram



NEW
IP22

FUSED BATTERY DISTRIBUTION UNIT 4 WAY

MTA

Features:

- Suits 4 x Midi fuses with common bus.
- Includes clip on cover.
- Cable feeds through slots in the housing.

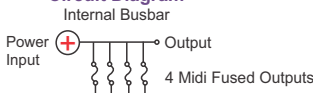
Part Number	Description
0300552	4x Midi Fuse BDU

Voltage: 32V **Rating:** 120A

Pack Size: 1, 10, 20

Notes: Fuses are not included.

Circuit Diagram



NEW
IP22

FUSED BATTERY DISTRIBUTION UNIT 4/6 WAY PLUS

MTA

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

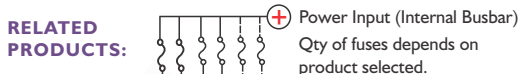
Voltage: 32V **Rating:** 150A **Pack Size:** 1, 10, 20

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.

Circuit Diagram

RELATED PRODUCTS:



Mini Fuse
(See p.15)



Midi Fuse
(See p.24)



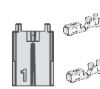
Mega Fuse
(See p.25)



ISO Relays
ISO 280
(See p.164-168)



Fuse / Relay Modules
(See p.138)



Mini Fuse Housing
(See p.86)

Fuse / Relay Module



Mini Fuse Housings

x3
x2

NEW
IP53



Scan this QR Code for more information



QR Code: 9049

0301873 Pictured

FUSED POWER DIST. MODULE SEALED - 4 WAY



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.

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.

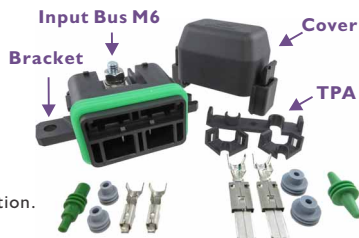
Cavity Plugs: Required to fill unused output cavities for ingress protection.

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
BPDMA104HXF1



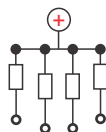
PDM Module & Terminal Kit
PDMKIT101

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 1534463 I),
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

ACCESSORIES TO SUIT MINI FUSES: Delphi Metri-Pack 280

TERMINALS: TANGED

Female Sealed - Tin Brass /Tin Plated



CABLE SEALS:

Silicone



CAVITY PLUG:

Silicone



Part Number	Wire (AWG)	Wire (mm ²)
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

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

Part Number
12010300

ACCESSORIES TO SUIT JTF FUSIBLE LINKS: Delphi Ducon 6.3

TERMINALS:

Male Sealed - Tin Brass /Tin Plated



CABLE SEALS:

Silicone



CAVITY PLUG:

Silicone



Part Number	Wire (AWG)	Wire (mm ²)
15344632	#16 - #14	1.5 - 2.5
15344631	#12 - #10	4.0 - 6.0

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

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)

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QR Code: 9003



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

POWER DIST. MODULE SEALED - 8 POSITION

EATON Busmann

IP66

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. Other colour also available.

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.

Pack Size: 1, 10, 100

Notes: Fuses, circuit breakers and relays are optional extras.



PDMKITALS1, Tall Cover PDM Kit



Mini Fuses Installed

Ultra Micro Relay, Mini Fuse & Breaker

Part Number **Kit Contents:**

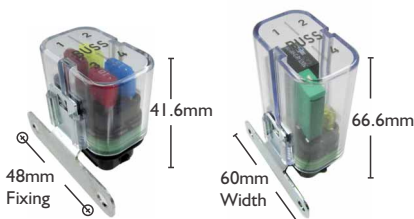
PDMKITALS1	Tall Cover*, Base, Side Bracket, 8 x 3.0mm ² Terminals, 8 x Seals, 4 x Plugs & TPA	NEW
PDMKITASS1	Short Cover, Base, Side Bracket, 8 x 3.0mm ² Terminals, 8 x Seals, 4 x Plugs & TPA	NEW

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
I2084201	Terminal Female (#22-20AWG), 0.35 - 0.5mm ²
I2077411	Terminal Female (#18-16AWG), 0.80 - 1.0mm ²
I2129493	Terminal Female (#14-12AWG), 2.0 - 3.0mm ²
I2077413	Terminal Female (#10AWG), 5.0mm ²
I5324983	Cable Seal Dark Red, 1.70 - 1.29mm Cable Dia.
I5324982	Cable Seal Green, 2.85 - 2.03mm Cable Dia.
I5324980	Cable Seal Grey, 3.49 - 2.81mm Cable Dia.
I5324981	Cable Seal Blue, 4.30 - 3.45mm Cable Dia.
I2010300	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, Splice Connectors.

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QR Code: 9010

POWER DIST. MODULE SEALED - 12 POSITION



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/adaptor, Mini Circuit Breakers, Mini Diodes / Resistors, Ultra Micro 280 Relays, Micro 280 Relays, Mini 280 Relays and 280 Flashers.

IP69K **IP67**
58V

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 - straight (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 2.5mm ² Terminals, 12x Cable Seals & 4x Cavity Plugs.

**PDM Module & Terminal Kit
PDMKIT331**

Part Number	Description
PDM33003ZXM	Base, Clear Cover, Seal, Straight Bracket, 3 x TPA's.
1-968896-1	Terminal Female (#22 - 20AWG), 0.35 - 0.50mm ²
1-968875-1	Terminal Female (#20 - 16AWG), 0.5 - 1.0mm ²
1-968876-1	Terminal Female (#16 - 14AWG), 1.0 - 2.5mm ²
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 Degree (optional).
890009470	Cover Tether (optional).



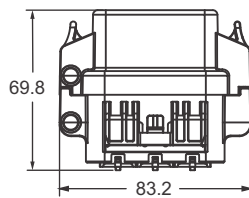
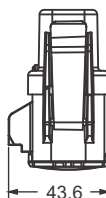
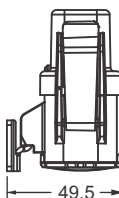
**Female Terminals
With Locking Barbs**



Finger Release



**Straight
Bracket
Fitted**



Dimensions in MM

RELATED PRODUCTS:



Mini Blade Fuses, LED Fuses, Resistors, Diodes, Shunts & Mini Blade Circuit Breakers.



Mc case Unslotted Fuse Adaptor to Minifuse (# 875-584)



ISO 280 Relays Ultra Micro & Micro 4 & 5 Pin, 12V & 24V.

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QR Code: 9025



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

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 Kit Contents: Module kit includes cover, cover seal, base, 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 5mm²).

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.

58V IP69K IP67



Base, Seal, Cover & Bracket



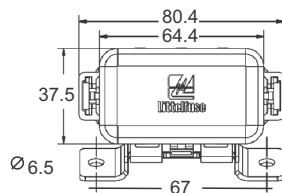
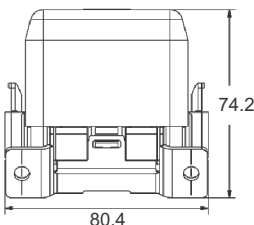
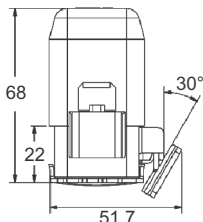
PDMKIT311 - PDM Terminal Kit

Part Number	Kit Contents
PDMKIT311	Base, Cover, 30° Bracket, 3.0mm ² Terminals, Cable Seals, Cavity Plugs and TPA's.
PDMKIT312	Base, Cover, 30° Bracket, 2.0mm ² Pre-terminated Cables, 2.0mm Jumpers & TPA's.

Part Number	Description
PDM31001ZXM	PDM Module Base, Cover, 30° Angled 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.



Mc case 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

PDM SEALED MODULE - 60 POSITION



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/adaptor, Mini Circuit Breakers, Mini Diodes / Resistors, Ultra Micro 280 Relays, Micro 280 Relays, Mini 280 Relays and 280 Flashers.

IP67 IP69K 58V



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 5mm²).
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 page I85 - I86. **Notes:** Fuses and relays are not included.

Part Number	Kit Contents
PDMKIT711	Module, Terminals (60 x I2129493), Cable Seals (60 x I5324980) & Plugs (10 x I2010300).
PDMKIT712	Module, Pre-terminated Cables 2.0mm ² x 300mm (30 x Red & 30 x Blue), Pre-terminated Jumper Cables Red 2.0mm ² x 90mm (5 x Red), Splice Connectors (60pcs) & Cavity Plugs (10 x I2010300).

Part Number	Description
PDM71003ZXM	Base, AssureLatch Cover with Gasket and 6 x TPA's.
I2084201	Terminal Female (#22-20AWG), 0.35 - 0.5mm ²
I2077411	Terminal Female (#18-16AWG), 0.80 - 1.0mm ²
I2129493	Terminal Female (#14-12AWG), 2.0 - 3.0mm ²
I2077413	Terminal Female (#10AWG), 5.0mm ²
I5324983	Cable Seal Dk Red Silicone, 1.70 - 1.29mm Cable Dia.
I5324982	Cable Seal Green Silicone, 2.85 - 2.03mm Cable Dia.
I5324980	Cable Seal Grey Silicone, 3.49 - 2.81mm Cable Dia.
I5324981	Cable Seal Blue Silicone, 4.30 - 3.45mm Cable Dia.
I2010300	Cavity Plug Green Silicone, 6.7mm Cavity inside Dia.

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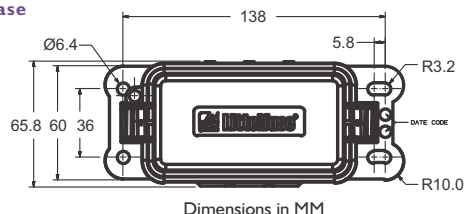
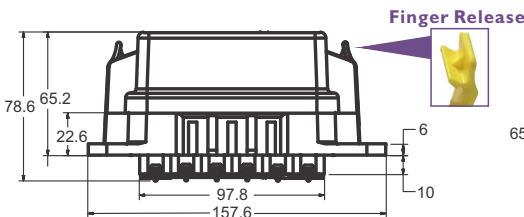
POWER DIST.



PDMKIT711 - PDM Terminal Kit



PDMKIT712 - PDM Cable Kit





POWER DIST. MODULE SEALED - 24 POSITION

GEP
POWER PRODUCTS

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.

IP67 **NEW**
58V

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:  

Assembled Unit



PDMKIT424 - PDM & Terminal Kit

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).

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 - 0.5mm 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

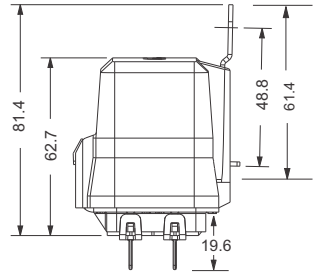
ACCESSORIES: Delphi Metri-Pack 280

TERMINALS: TANGED

Female Sealed,
Tin Brass / Tin Plated



CABLE SEALS:
CAVITY PLUG:
Silicone



Dimensions are in MM

RELATED PRODUCTS:



**Mini & LED Fuses,
Circuit Breakers,
Transorbs, Diodes,
Shunts & Diode Key**



**ISO 280 Relays
Ultra Micro,
Micro & Mini.
12VDC & 24VDC.**

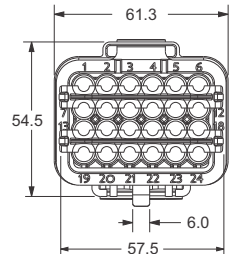


**Tanged Cables,
Jumpers &
Connectors.**
(see p.186)

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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:**  








48 Way PDM



TETHER: FLEXIBLE
PDM-SCT

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-R3ACI	PDM Housing 48 Pos, Seal, Cover & 2x Mtg. Clips
PDM-TTI	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 

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



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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)**

PROLEC

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

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:**  



72 Way PDM



Top View



Rear View



TPA: PDM-STI
Secures 12 Positions



TETHER: PDM-SCT
Links Cover with Base

Part Number	Description
PDM-S3ACI	PDM Housing 72 Pos, Seal, Cover & 2x Mtg. Clips
PDM-SCT	PDM Tether Black Flexible (110mm - 160mm)
PDM-STI	TPA Terminal Position Assurance, 6pcs Required
PDM-TK	Diode Key Red Nylon. Drops into PDM Base Slots
I2084201	Tanged Terminal Female (#22-20AWG), 0.35 - 0.5mm ²
I2077411	Tanged Terminal Female (#18-16AWG), 0.80 - 1.0mm ²
I2129493	Tanged Terminal Female (#14-12AWG), 2.0 - 3.0mm ²
I2077413	Tanged Terminal Female (#10AWG), 5.0mm ²
I5324983	Cable Seal, 1.70 - 1.29mm Cable Diameter Dark Red
I5324982	Cable Seal, 2.85 - 2.03mm Cable Diameter Green
I5324980	Cable Seal, 3.49 - 2.81mm Cable Diameter Grey
I5324981	Cable Seal, 4.30 - 3.45mm Cable Diameter Blue
I2010300	Cavity Plug, 6.7mm Cavity inside Diameter Green

ACCESSORIES: Delphi Metri-Pack 280

TERMINALS: TANGED

Female Sealed,
Tin Brass / Tin Plated



CABLE SEALS:
CAVITY PLUG:
Silicone



RELATED PRODUCTS:



**Mini Fuses, LED Fuses,
Circuit Breakers,
Transistors, 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)**

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QR Code: 9034

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:**  



96 Way Housing



PDM With Plain Cover

Part Number	Description
PDM-U3ACI	PDM Housing 96 Pos, Seal, Cover & 4x M6 Mtg. Clips
PDM-U4ACI	PDM Housing 96 Pos, Seal, Cover & 4 x M10 Mtg. Holes
PDM-SCT	PDM Tether Black Flexible (110mm - 160mm)
PDM-UTI	TPA Terminal Position Assurance. 6pcs Required
PDM-TK	Diode Key Red Nylon. Drops into PDM Base Slots
I2084201	Tanged Terminal Female (#22-20AWG), 0.35 - 0.5mm ²
I2077411	Tanged Terminal Female (#18-16AWG), 0.80 - 1.0mm ²
I2129493	Tanged Terminal Female (#14-12AWG), 2.0 - 3.0mm ²
I2077413	Tanged Terminal Female (#10AWG), 5.0mm ²
I5324983	Cable Seal, 1.70 - 1.29mm Cable Diameter Dark Red
I5324982	Cable Seal, 2.85 - 2.03mm Cable Diameter Green
I5324980	Cable Seal, 3.49 - 2.81mm Cable Diameter Grey
I5324981	Cable Seal, 4.30 - 3.45mm Cable Diameter Blue
I2010300	Cavity Plug, 6.7mm Cavity inside Diameter Green



Rear View

TPA:PDM-UTI

Secures 16 Positions

TETHER: PDM-SCT

Links Cover with Base



Scan this
QR Code
for more
information



QR Code: 9035

ACCESSORIES: Delphi Metri-Pack 280

TERMINALS: TANGED

Female Sealed,
Tin Brass / Tin Plated



CABLE SEALS:
CAVITY PLUG:
Silicone



RELATED PRODUCTS:



**Mini Fuses, LED Fuses,
Circuit Breakers,
Transistors, 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)**

PROLEC

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

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.

IP66

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.

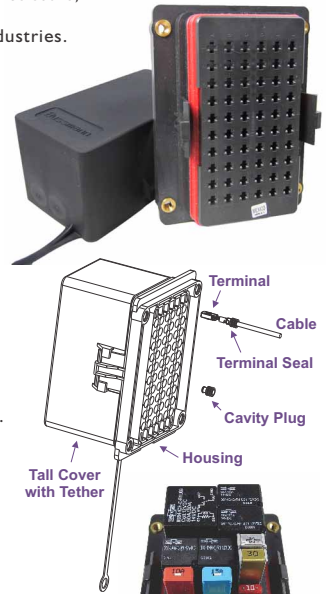
Ingress Protection Rating: IP66 - IEC 529 (valid only when cover, cable seals and cavity plugs are properly fitted).

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
I5310-1-1	30 x Mini Fuses Only	Shallow - Fuse	60
I5310-1-2	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 - 1.0mm ²
1-968876-1	Terminal Female MCP 2.8, #16 - #14AWG 1.0 - 2.5mm ²
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)

BRACKET OPTIONS:



(A) PROBRK008K

2pc Bracket Kit Includes Hardware.

(B) PROBRK001

1pc Bracket Kit Includes Hardware.

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

ACCESSORIES: AMP MCP 2.8

Terminals:

Female With Locking Barbs

Copper Nickel / Tin plated

Cable Seals:

Silicone

Cavity Plug:

Silicone



**MCP 2.8 Terminal & Seal
Assortment Kit
TERMKIT004** (see p. 187)

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information



QR Code: 9001

MINI FUSE SEALED MODULE - DUAL BUS - 20 WAY

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 I5305 series RTMR has new refinements but remains backward compatible and interchangeable with the original I5303 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 I33 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
I5305-1-6-3	20 x Mini Fuse Module	Dual Fuse Buss	Shallow	20	20
I5305-1-6-4	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 I33 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

NEW IP66



5 x Micro 280 Relays
10 x Fuses / Breakers

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.

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 to 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)

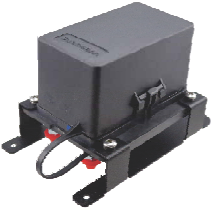
Notes: Module includes cover and input stud caps only. Fuses, circuit breakers, relays, terminals, seals, cavity plugs and bracket are not included. Please refer to page 133 for dimensions and accessory parts.



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

NEW **IP66**

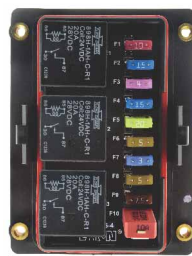
This weatherproof 3 Mini Relays or 5 x Micro Relays & 10 x Mini Fuse / Circuit Breaker module is designed to provide fuse protected power and relay switching. Relays and fuses can be wired together or independently of each other. 3 Different internal buss options: 1. All fuses are powered by a single 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 I5305 series RTMR has new refinements but remains backward compatible and interchangeable with the original I5303 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 I33 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
I5305-4-0-4	3-5 x Relays & 10 Fuses / Breakers	No Buss	Deep	50	45
I5305-5-6-4	3-5 x Relays & 10 Fuses / Breakers	Fuse Buss Only	Deep	40	35
I5305-6-6-4	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 I33 for dimensions and accessory parts.



**All Models
Front View**



**I5305-4-0-4
(No Buss)
Rear View**



**I5305-5-6-4
(Fuse Buss)
Rear View**



**I5305-6-6-4
(Relay Buss)
Rear View**



**Assembled
(Deep Cover)**

Scan this QR
Code for more
information on
modules only.



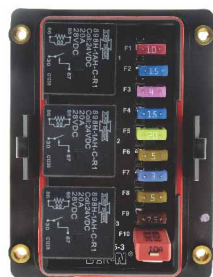
QR Code: 9040

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 and relays 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 I5305 series RTMR has new refinements but remains backward compatible and interchangeable with the original I5303 series RTMR.

NEW **IP66**



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 I33 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
I5305-3-6-4	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)

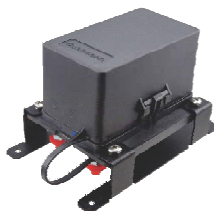
Notes: Module includes cover and input stud caps only. Fuses, circuit breakers, relays, terminals, seals, cavity plugs and bracket are not included. Please refer for page I33 for dimensions and accessory parts.



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

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).

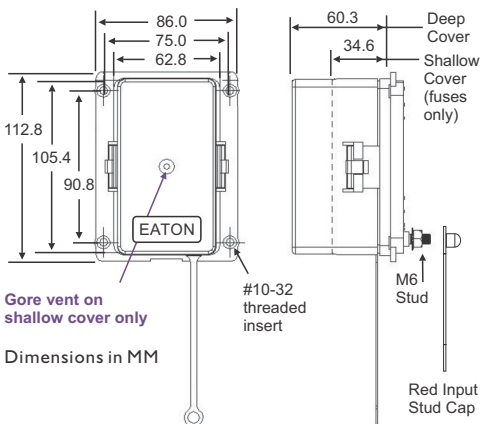
Mounting: Threaded inserts #10-32 as standard

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 (mm ²)
I2110846	#22 - #20	0.35 - 0.50
I2110847	#18 - #16	0.80 - 1.0
I2129409	#16 - #14	1.0 - 2.0
I2110845	#14 - #12	2.0 - 3.0
I2110853	#12 - #10	3.0 - 5.0

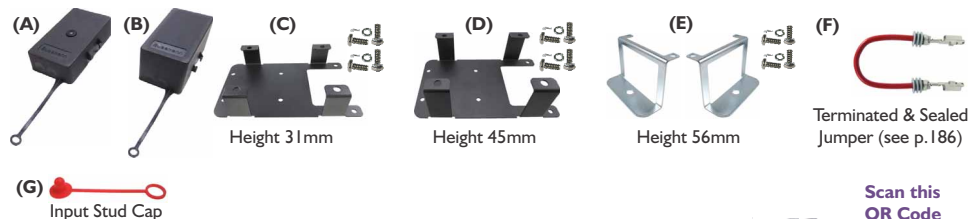
CABLE SEALS: Silicone
CAVITY PLUG: Silicone



Part Number	Cable Dia. (mm)	Colour
I5324983	1.29 - 1.70	Dark Red
I5324982	2.03 - 2.85	Green
I5324980	2.81 - 3.49	Grey
I5324981	3.45 - 4.30	Blue
I2010300	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	1.84mm ² x 90mm
B066-7008	(G)	Red Input Stud Cap Silicon - Spare Part	



RELATED PRODUCTS:

Terminal Crimper & Removal Tools.
(see p.185 - 186)

Mini & LED Mini Fuses, Mini Blade Breakers, Resistors & Transorsbs.

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

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 circuit 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).

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

**40 x Mini Fuses or Mini Breakers
and 10 x ISO 280 Micro Relays.**



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
I2084201	Tanged Terminal Female (#22-20AWG), 0.35 - 0.5mm ²
I2077411	Tanged Terminal Female (#18-16AWG), 0.80 - 1.0mm ²
I2129493	Tanged Terminal Female (#14-12AWG), 2.0 - 3.0mm ²
I2077413	Tanged Terminal Female (#10AWG), 5.0mm ²
I5324983	Cable Seal, 1.70 - 1.29mm Cable Diameter, Dark Red
I5324982	Cable Seal, 2.85 - 2.03mm Cable Diameter, Green
I5324980	Cable Seal, 3.49 - 2.81mm Cable Diameter, Grey
I5324981	Cable Seal, 4.30 - 3.45mm Cable Diameter, Blue
I2010300	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 1.84mm ² x 90mm. Tanged (1pc)
B151-7182-1	Replacement Cover. Black Thermoplastic.
32013BS	Mini Fuse & Mini Circuit Breaker Puller.



**Mounting Bracket
PROBRK003**



**Tanged Terminal Kit
TERMKIT003
(see p.187)**



**Tanged Female
Sealed Terminals**



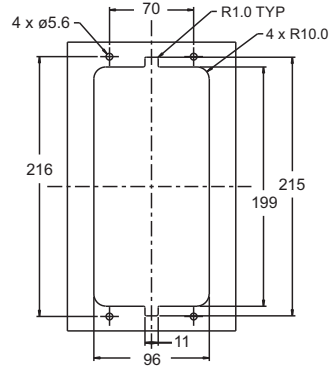
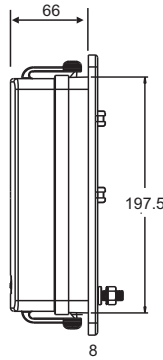
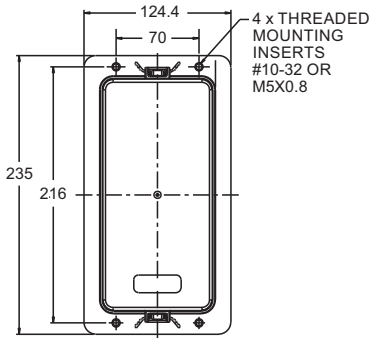
**Cable Seals &
Cavity Plug**



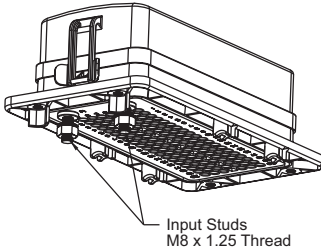
**Terminal Tools
(see p.185 - 186)**



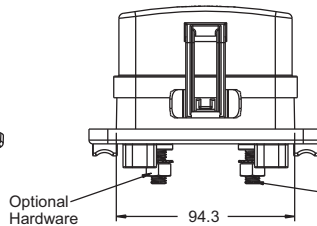
**Fuse & Breaker
Puller (see p.44)**



Panel Cutout Diagram
(Mount from the rear of the panel)



Input Studs
M8 x 1.25 Thread



Optional Hardware

Cable Managers -
Options shown on
this drawing only

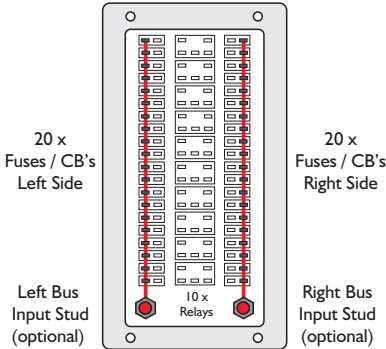
Input Studs
M8 x 1.25 Thread

Dimensions in MM

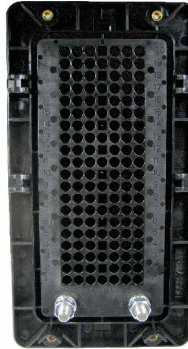
Input Stud Power Diagram

Rear View - Inputs / Outputs

Front View - Component Loading



= Input Stud (Optional)
Powers Fuses / Breakers



Dual Bus Version
Pictured Above



Unloaded RFMR
Pictured Above

POWER DIST.

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).



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.



M8 Input Stud

Fuse Cover

M6 Output Studs



Input Stud

Fuse Cover

M6 Output Stud Switched

M6 Output Stud Non-Switched



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 keys nuts.

Output Termination: 2 x M6 threaded plated steel studs. Inc. keys 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 3771 BUS bars to join multiple PRMs/PFMs.

Stud insulator caps included with busbars.

Contact sales for options to bus PRMs / PFMs to other Bussmann PDM's.

Accessories: Relay signal connector, bus bars, separators and fuses.

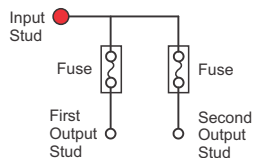
Suitable Fuses: JTFxxx (20A - 0A), not included.

Notes: Each Power Relay Module requires 1 x PRM Relay Signal Connector

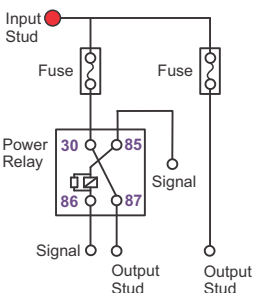
Kit (50126K) to control the relay. Fusible links are not included.

Compliances: SAE 31171 (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 Stud Covers
3771BUS-3	3 Position Bus Bar With Stud Covers
3771BUS-4	4 Position Bus Bar With Stud Covers
B162-7003/J	Short Joiners / Output Stud Barriers
B162-7002/J	Long Joiners / Output Stud Barriers

RELATED PRODUCTS:



**Fusible Links
JTF (20A-80A)**
(See page 21)



**Joiners
Barriers**
Short / Long



**PRM Relay Signal
Connector Kit Inc.**
Terminals 0.75 - 1.5mm²
Cable seals 1.7-2.4mm



Bus Bar With Covers 2, 3 & 4 Way
Multiple modules can be joined
together with these optional Bus Bars.



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QR Code
for more
information



QR Code: 9002

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 - 1.5mm² 14A, 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) 20A
07911RL (4 - 6mm²) 37A



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 20A, 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 I66)



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 20A, 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 I66)



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)

Voltage: 32V

Maximum Continuous Current Ratings:

225A (00655K), 150A (00705K), 120A (00665K)

Body: Black, **Cover:** Transparent, includes gasket.

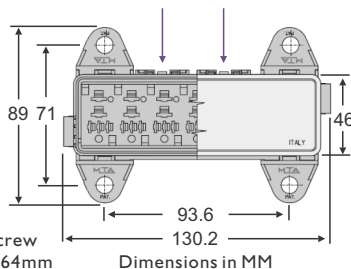
Terminals: Axial connections. Other terminal options include various terminal sizes, reeled and busbar types. Contact sales for further information.

Notes: Fuses, fuse extractor and relays are not included.

Pack Size: 1

Approval: RoHS

Side wall lateral lock feature.
Add MTA fuse or relay holders.



POWER DIST.

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
01460KI	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.
01600KI	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).
01660KI	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
01510KI	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, 10 x 08331, 40 x 08332 (All products with 2.8mm blades)	ISO280 Relays (Ultra Micro or Micro).

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	Ampere Rating	Product Description
08331	Mini Fuses, Breakers, 280 Relays	2.8mm	1 to 2mm ²	16A	Box F2.8mm - Standard
08332	Mini Fuses, Breakers, 280 Relays	2.8mm	2.5 to 4mm ²	28A	Box F2.8mm - Standard
07930	Auto Fuses	5.2mm	2 to 3mm ²	20A	Open F6.3mm - Spring clip
07660	Maxi Fuses	8mm	4 to 6mm ²	36A	Box F8mm - Spring clip
08401	ISO Micro Relays	4.8mm	1.5 to 2.5mm ²		Box F4.8mm - Standard
08503	ISO Mini Relays	6.3mm	4 to 6mm ²	37A	Box F6.3mm - Standard
02050	ISO Micro, Mini, Maxi Relays	6.3mm	2.5 to 4mm ²	28A	Open F6.3mm - Spring clip
08502	ISO Maxi Relays	6.3mm	2 to 2.5mm ²	20A	Box F6.3mm - Standard
07741	ISO Maxi Relays	9.5mm	6 to 8mm ²	48A	Box F9.5mm - Spring clip
07992	Jcase Fuses	6.3mm	6 to 8mm ²	48A	Open M6.3mm - Standard
07993	Jcase Fuses	6.3mm	10mm ²	53A	Open M6.3mm - Standard

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.

MODULE FRAMES, COVERS & BRACKETS

All modules require brackets or a frame for mounting in your vehicle. Please refer to page 140 for options.

Scan this QR Code for more information



QR Code: 9000

MODULAR FUSE AND RELAY MODULES - CONTINUED



20 x MINI FUSES

Part Number: 01460KI

Note: Includes room for 6 spare Mini fuses.



Mini Fuse not included.



Secondary locks included.

6 x MICRO RELAYS (5 PIN)

Part Number: 01484K



ISO Micro Relay not included.



Secondary lock included.

10 x MINI FUSES

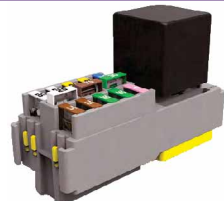
1 x MAXI RELAY (4 PIN)

Part Number: 01510K

Note: Includes room for 3 spare Mini fuses



Mini Fuse & ISO Maxi Relay not inc.



Secondary locks included.

**1 x MINI RELAY (5 PIN)
1 x MAXI RELAY (4 PIN)**

Part Number: 01494K



ISO Mini & ISO Maxi Relay not inc.



Secondary lock included.

8 x MINI FUSES

4 x MICRO RELAYS (5 PIN)

Part Number: 01564K



Mini Fuse & ISO Micro Relay not inc.



Secondary lock included.

4 x MINI FUSES

2 x MINI RELAYS (5 PIN)

Part Number: 01504K



Mini Fuse & ISO Mini Relay not inc.



Secondary lock included.

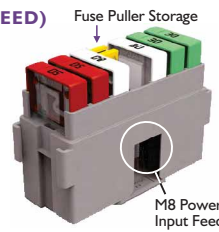
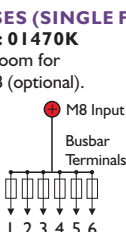
6 x MAXI FUSES (SINGLE FEED)

Part Number: 01470K

Note: Includes room for fuse puller 00358 (optional).



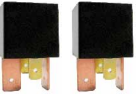
Maxi Fuse not inc.



Secondary lock included.

2 x Maxi Relays (4 PIN)

Part Number: 01660K



ISO Maxi Relays not included.



Secondary lock included.

4 x MINI FUSES

6 x JCASE FUSE LINKS*
(*Standard or Low Profile)

Part Number: 01690K



Mini Fuse
Low Profile Jcase Fuse
Jcase Fuse
Fuses not included.



Secondary lock included.

6 x AUTO FUSES

3 x MAXI FUSES

Part Number: 01600KI



Maxi Fuse and Auto Fuse not included.



Secondary locks 4x 01601, 1x 01602 (optional).

MODULAR OPEN PLAN MODULE 2.8MM TERMINAL

20 x MINI FUSES, DIODES, CIRCUIT BREAKERS

10 x ULTRA MICRO ISO 280 RELAYS

6 x MICRO ISO 280 RELAYS

Part Number: 01698K

Terminal Capacity: 40

Layout Matrix: 4 x 10.

Note: May use combination of any of these components.



Mini Fuse



LED Mini Fuse



Mini Diode



Mini Breaker



Ultra Micro & Micro ISO 280 Relays



Ultra Micro & Micro ISO 280 Relays



Secondary lock 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)
01180 NEW	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
01706 NEW	Five Module Frame High Profile Mount
01707 NEW	Five Module Cover, Finger Release

Single Module Cover (01590)



Dual Module Cover (01550)



Single Module Brackets Low Profile (01580)



Dual Module Brackets Low Profile (00699)



Dual Module Brackets High Profile (01180)



Four Module Cover (01530)



Four Module Frame (01520) Low Profile



Five Module Cover (01707)



Five Module Frame (01706) High Profile



ADAPTOR, RETAINERS & FUSE PULLER

Part Number	Description	Pack Size
01620 NEW	Single Module Adaptor	250
01630 NEW	Relay Retainer	350
01376 NEW	Relay Retainer	TBC
01237 NEW	Mini Circuit Breaker Retainer	TBC
00358	Fuse Puller Yellow	1

Mini Breaker Retainer (01237)



Relay Retainer (01630)



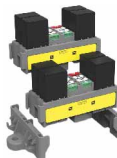
Fuse Puller (00358)



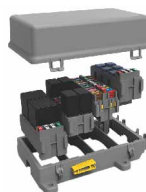
Single Bracket



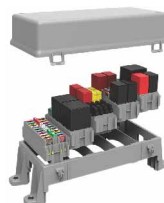
Dual Bracket



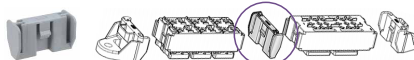
Four Frame



Five Frame

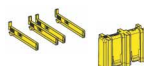


Single Module Adaptor (01620)
Cannot use with cover



TERMINAL SECONDARY LOCKS (Optional)

Part Number	Description
01601	Fits Module 01600 (Auto Fuse Terminals)
01602	Fits Module 01600 (Maxi Fuse Terminals)

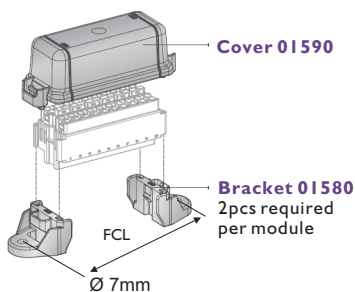


Notes:

All terminals lock into the module body. A secondary lock ensures the terminal can't dislodge under force or vibration.

SINGLE MODULE BRACKET & COVER

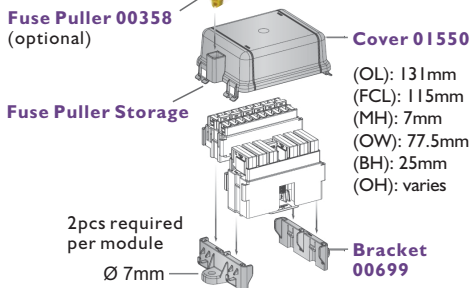
Low Profile Mount



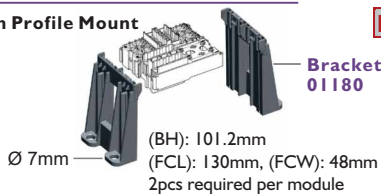
Overall Length (OL): 150mm
Fixing Centre Length (FCL): 132mm
Mounting Hole (MH): 7mm
Overall Width (OW): 39mm
Bracket Height (BH): 25mm
Overall Height With Cover (OH): Varies by module

DUAL MODULE BRACKETS & COVER

Low Profile Mount



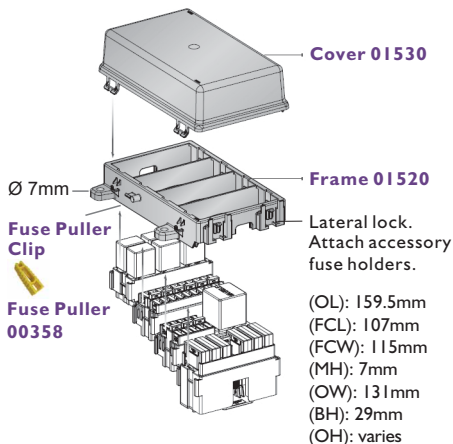
High Profile Mount



NEW

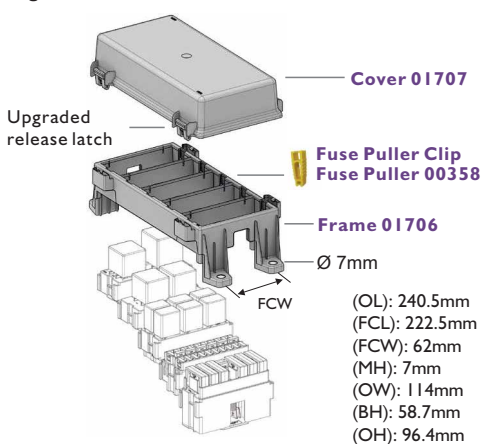
FOUR MODULE FRAME & COVER

Low Profile Mount



FIVE MODULE FRAME & COVER

High Profile Mount



UPDATED

POWER DIST.

TERMINALS

Female 2.8mm
08331, 08332



Female 4.8mm
08401



Female 6.3mm
02050



Female 6.3mm
08502, 08503



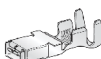
Female 6.3mm
07930



Male 6.3mm
07992, 07993



Female 8.0mm
07660



Female 9.5mm
07741



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QR Code: 9000

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



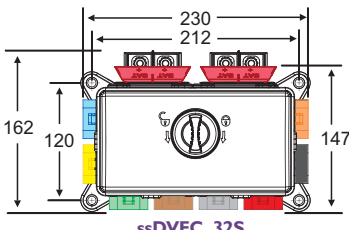
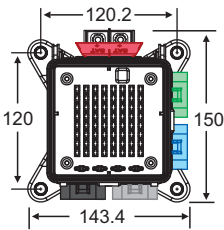
Tanged Terminals, Seals & Cavity Plugs



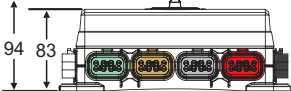
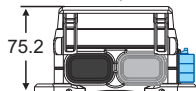
Fuse Puller # 32013BS
Mini Fuses
Mini Breakers

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.



Dimensions in MM



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QR Code: 9026

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 i.e. fuses, relays, diodes, breakers, fuse puller. Customised circuit layouts, standard and custom CAN messages.

IP66 **NEW**



MVEC
31M Series

12V mVEC	24V mVEC	Input M8	Mini	ISO 280 Ultra	Fuse	Output	Output
Part Number	Part Number	Bus Bar	Fuses	Micro Relay	Puller	Connectors	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.

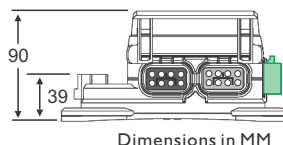
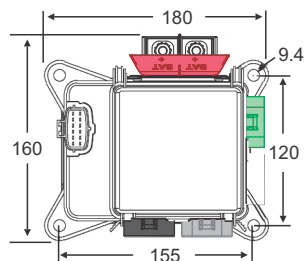
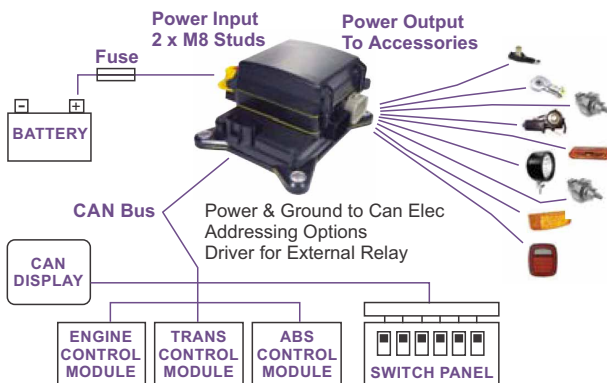
Output Connector Terminal Rating: 30A max each.

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.



Dimensions in MM

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QR Code: 9027

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 i.e. 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.

NEW

IP67

IP69K

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.

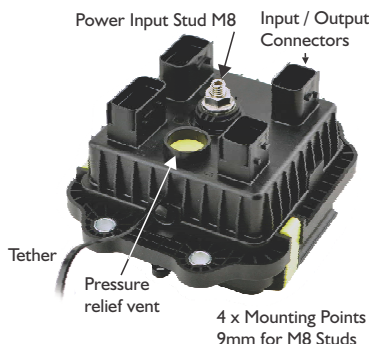
Mounting: Panel Mount (Rear fed connectors)..

Vibration: ISO 16750-4

Temperature Rating: -40 °C to +85 °C.

Notes: Connectors, fuses & relays are not included.

Approvals:



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QR Code: 9032

RELATED PRODUCTS:



Mini Fuses & Mini LED Fuses, Mini Blade Breakers, MCase+ Slotted Fuses.



ISO280 Ultra Micro Relays, ISO280 Mini Relays, ISO Mini Relay



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.



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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



Part Number	Description
FLEC3000Z-0U	Unpopulated PDM 12VDC / 32VDC Up to 28 x Mini Fuses / Mini Breakers Up to 18 x Micro ISO 280 12VDC Relays 5 Pin

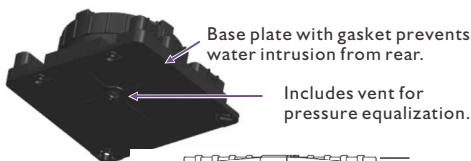
FLEC3000Z-0	Populated PDM 12VDC includes; 28 x Mini Fuses. (6ps x 15A & 22pcs x 30A) 18 x Micro ISO 280 12VDC Relays 5 Pin.
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CFLEC001Z-01	Populated Can-Bus PDM 12VDC includes; 29 x Mini Fuses. (8ps x 20A & 21 pcs x 30A) 12 x Ultra Micro ISO 280 12VDC Relays 4 Pin. 3 x Micro ISO 280 12VDC Relays 5 Pin.
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FLEC3000Z-0

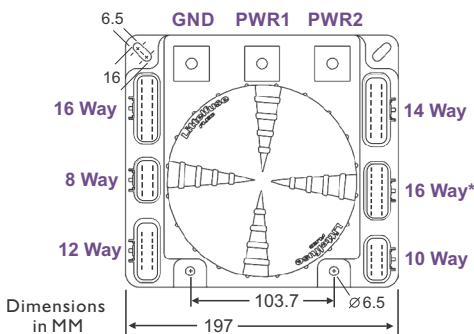
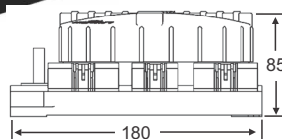
Voltage: See above for corresponding unit.
Rating: Max Load 300A. Max Fuse Rating 30A
Power Input Studs: 3 x 100A rated M8 studs. Plated copper and stainless steel. Red or black covers included.
Power Output Terminals: 38 x 1.5mm blades (15A) & 38 x 2.8mm blades (25A) suit Delphi GT 150 & 280 series 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)



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 separate 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.

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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.**

Part Number	Product Description	Conductor	Pack Size	Colour
43408	Terminal block 24A, 1000V (Inputs / Out)	Flexible (0.5-2.5mm ²), Rigid (0.5-4mm ²)	1/100	Grey
43409	Terminal block 32A, 1000V (Inputs / Out)	Flexible (0.5-4mm ²), Rigid (0.5-6mm ²)	1/100	Grey
43409BL	Terminal block 32A, 1000V (DC Control)	Flexible (0.5-4mm ²), Rigid (0.5-6mm ²)	1/100	Blue
43409E	Terminal block 32A, 1000V (Earth)	Flexible (0.5-4mm ²), Rigid (0.5-6mm ²)	1/100	Ylw / Gr
43401	Terminal block 41A, 1000V (Inputs / Out)	Flexible (0.5-6mm ²), Rigid (0.5-10mm ²)	1/50	Grey
43525/24	Jumper (pitch 5.1mm) 25A, 600V	Flexible (2.5mm ²)	1/5	Orange
43520/24	Jumper (pitch 6.1mm) 25A, 600V	Flexible (4mm ²)	1/5	Yellow
43621/24	Jumper (pitch 7.1mm) 50A, 600V	Flexible (6mm ²)	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 1 x 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:

Marking Tags

1 Stem # 43300



43525/24 - Insulated Jumper (2.5mm²)

Note: Optional cutting tool P/N: 43515



43520/24 - Insulated Jumper (4mm²)

Note: Optional cutting tool P/N: 43516



43621/24 - Insulated Jumper (6mm²)

Note: Can be separated by hand, no tools required.



43408 Terminal Block 2.5mm²

44 (L) x 36 (H) x 5mm (W)

Connecting capacity: 12mm (CC)



43409 Terminal Block 4mm²

44 (L) x 36 (H) x 6mm (W)

Connecting capacity: 12mm (CC)



43401 Terminal Block 6mm²

50 (L) x 44 (H) x 7mm (W)

Connecting capacity: 18mm (CC)



43444 - End Bracket

55 (L) x 34 (H) x 6mm (D)



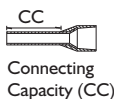
43010 - End Plate, Euro 2.5-4

44 (L) x 35 (H) x 1.5mm (D)

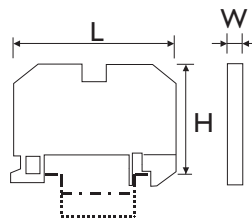


43011 - End Plate, Euro 6-10

50 (L) x 43 (H) x 1.5mm (D)



Connecting Capacity (CC)



BLADE FUSE TERMINAL BLOCKS DIN RAIL MOUNT



- 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.
- Disconnecter 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.
- Termination options include screw terminals, screw-less spring terminals or hybrid terminals.
- Marking accessories are available for both the blocks and cables.
- 12V and 24V LED indication options.

**Module;
Diode, MOV,
Fuse Cartridge**

Disconnecter

Auto Blade Fuses

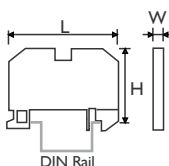
Auto Blade Breakers

**Marking Tags
Nbrs 1 - 1000
or Blank Tag**

**Optional LED
12V or 24V**



Part Number	Description	Rating	Pack Size	Dimensions in MM		
				L	H	W
4358100	Auto Blade Fuse Module	25A, 300V	1/50	58.9	29.5	6
4358101	Auto Blade Fuse Module + 12V LED	25A, 300V	1/50	58.9	29.5	6
4358102	Auto Blade Fuse Module + 24V LED	25A, 300V	50	58.9	29.5	6
435G0520	M205 Cartridge Fuse Holder*	6.3A, 250V	20	40	16	6.1
435G6332	3AG Cartridge Fuse Holder*	6.3A, 300V	20	50	20	7.5
435K0000	Disconnecter (Plug Type)	25A, 300V	1/50	19.2	20.4	5
43444	End Stop (Stops Modules Sliding).	-	1/100	55	34	6
43585	Separator / End Plate (1.5mm wide) ^	-	1/50	55	33	1.5
4358630	Separator / End Plate (3.0mm wide) ^	-	1/50	55	33	3.0
43509/12	Insulated Jumper 12 Pole (Pitch 9.1mm) ^	25A, 300V	1/12	-	-	-
43506/22	Insulated Jumper 22 Pole (Pitch 6.1mm)	25A, 600V	1/22	-	-	-
43300	Marking tags. Printed No. 1-10 (2 sets)		1/25	11.9	-	4.8
43310	Marking tags. Printed No. 1-100 (1 set)		1/5	11.9	-	4.8
43311	Marking tags. Printed No. 101-200 (1 set)		1/5	11.9	-	4.8
43192	Marking tags. Blank stem. 1 stem = 20 Marking Tags.		1/25	11.9	-	4.8



Mounting: DIN Rail 35 **Connection:** Screw standard. Optional cage clamp or hybrid connection.

Cable: 0.5mm² to 4mm² (#24-10AWG)

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.

Fuse Modules: Feature 1 x open and 1 x 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.

Blade Fuse / Breaker Modules

Wire fixing: 2 x screw connectors.
Optional 12V / 24V LED indicator.



Disconnecter

- (1) Plug type. Push in / pull out.
- (2) Knife type. Slidable.



Separator / End Plates

Separates terminal blocks.
Completes a row.
1.5mm or 3.0mm width options.



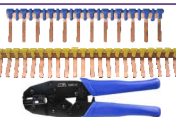
Plug In Component Modules

Cartridge Fuse Module. M205 or 3AG.
Diode Modules. Contact sales.
MOV / Surge Supply Module VI 30LA2.



Ratchet Tool - Cuts Plug In Jumpers

P/N: 43517 cuts jumper 9.1mm pitch.
P/N: 43516 cuts jumper 6.1mm pitch.



End Stop

Fitted to each end of a row of terminal blocks. Stops modules sliding on DIN rail.



CARTRIDGE FUSE TERMINAL BLOCKS DIN RAIL MOUNT



Part Number	Description
43445H	M205 Fuse Block 4mm ² 30A, 300V Max (CSA)*
43433H	3AG Fuse Block 10mm ² 30A, 600V Max (CSA)*
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)

Conductor
Flexible (0.5-4mm²), Rigid (0.5-6mm²)
Flexible (1.5-10mm²), Rigid (1.5-16mm²)



Mounting: DIN Rail 35

Connection: Slot screw terminals.

End Plates: Not required, enclosed holder.

End Stop: Optional

Accessories: Euro Omega DIN 35 Rails.

Extended Range: LED indicating versions also available.

Notes: Contact sales for further information.

Do not disconnect fuse under load. Fuses not included.

Approvals:*

43445H (UL) (15A / 300V), (IEC) (30A / 300V), IEC (6.3A / 250V)

43433H (UL) (30A / 600V), (IEC) (30A / 600V), IEC (6.3A / 250V)

43445H - M205 Fused Terminal Block

66 (L) x 44 (H) x 10 (W)
Fuses contact sales.



43433H - 3AG Fused Terminal Block

82 (L) x 53 (H) x 10 (W)
3AG Fuses see p.11



POWER DISTRIBUTION BLOCKS - FINGER SAFE 1000V

EATON Bussmann

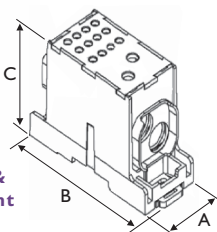
IP20 NEW

Features

- Enclosed, safer installation; IP-20 finger-safe under specific conditions.
- High Short-Circuit Current Ratings up to 200,000A: PDBs do not have to be the weak link in achieving high SCCR for an industrial control panel.
- Small footprint saves panel space.
- DIN rail or panel mount; *PDBFS330 & *PDBFS504 panel mount only.
- Sliding DIN rail latch for easy mounting.
- DIN rail end anchors required to prevent damage to block when torquing.
- Elongated hole for panel mounting; easier mounting with greater flexibility.
- Captive termination screws; screws do not get misplaced.
- Wire ready: captive termination screws shipped backed out to save time on conductor installations.
- Single pole or gang mountable for multiple pole applications with interlocking dovetail accessory (optional). Part 2A1279: Interlocking dovetail pin accessory, one pin interlocks two units, two pins to interlock three units.



Multi Pole Dovetail Slide Lock Feature



Panel Mount & DIN Rail Mount

Part Number	Ampere Rating	Line	Line Wire Range	Load	Load Wire Range
PDBFS204	175A	1	2/0 - 8AWG (70-10mm ²)	1	2/0 - 8AWG (70-10mm ²)
PDBFS220	175A	1	2/0 - 8AWG (70-10mm ²)	4	4/0 - 14AWG (25-2.5mm ²)
PDBFS303	310A	1	350kcmil - 6AWG (150-16mm ²)	1	350kcmil - 6AWG (150-16mm ²)
PDBFS330*	380A	1	500kcmil - 6AWG (240-16mm ²)	6	2 - 14AWG (35-2.5mm ²)
PDBFS377	570A	2	300kcmil - 4AWG (150-12mm ²)	12	4 - 14AWG (25-2.5mm ²)
PDBFS500	620A	2	350kcmil - 4AWG (185-12mm ²)	2	350kcmil - 4AWG (185-12mm ²)
PDBFS504*	760A	2	500kcmil - 6AWG (240-16mm ²)	2	500kcmil - 6AWG (240-16mm ²)

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: (UL) (IEC) IEC CE

Circuit Diagrams



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

POWER DIST.

Diagram 1 (TB200 Series)

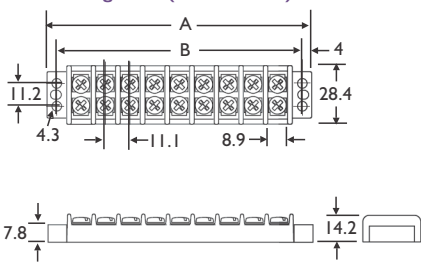
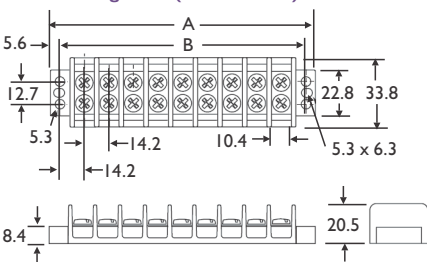


Diagram 2 (TB300 Series)



Jumper Options for TB200 / TB300

TB200	TB300	Description
20A Jumpers	30A Jumpers	
J201-J	J301-J	Flat slip on
OJ7-J	OJ6-J	Closed over barrier

Note: Jumpers allow creation of common circuits.



Flat Slip On



Closed Over Barrier

STUD JUNCTION TERMINAL BLOCKS #10-32

EATON 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	111.1
C5237-10	10	193.7	174.6	142.9
C5237-12	12	225.4	206.4	174.6

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.

Mounting Holes: 9/32" x 3/8" Slot. (7.14mm x 9.52mm)




Hardware: Nuts & washers included.

Pack Size: Please call sales.

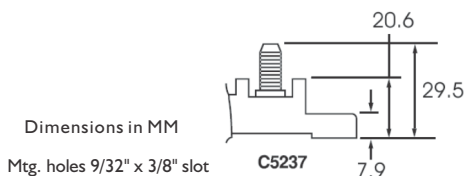
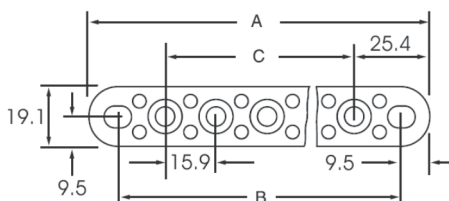
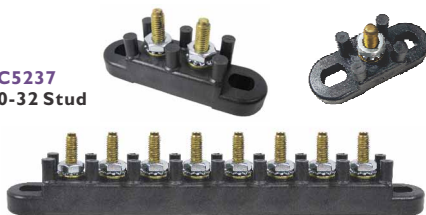
Temperature Rating: 120°C

Features: Numbers & arrows molded on top of barriers to indicate terminals.

Notes: Extended range also available contact sales.

Approvals:   

C5237
10-32 Stud



STUD JUNCTION TERMINAL BLOCKS #10-24

EATON 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

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.




Mounting Holes: 9/32" x 3/8" Slot. (7.14mm x 9.52mm)

Pack Size: Please call sales.

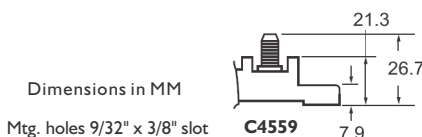
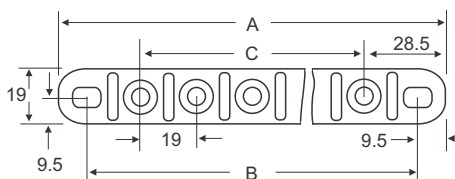
Options: Nuts & washers included.

Temperature Rating: 120°C

Features: Numbers & arrows molded on top of barriers to indicate terminals.

Approvals:   

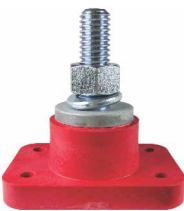
C4559
10-24 Stud



Heavy-duty ground or power connection points in AC or DC circuits.
Ideal for creating a centralized power distribution or grounding point.



CI933
1/2"-13 Stud



CI933R
1/2"-13 Stud



CI933-6B
3/8"-16 Stud



CI933-6R
3/8"-16 Stud



JB3816-2
3/8"-16 Stud



JB3816-3
3/8"-16 Stud



JB51618-2
5/16"-18 Stud



JB51618-3
5/16"-18 Stud

Part Number	Body Colour	Amp Rating	Thread Size M	Stud Material	Stud Plating	Dia.	Dimensions in MM									
							A	B	C	D	E	F	H	K		
CI933	Black	400A	1/2"-13	Brass	Zinc	1	69.8	36.6	31.7	38.1	28.6	9.5	4.8	50.8		
CI933R	Red	400A	1/2"-13	Brass	Zinc	1	69.8	36.6	31.7	38.1	28.6	9.5	4.8	50.8		
CI933-6B	Black	250A	3/8"-16	Brass	Zinc	1	69.8	36.6	31.7	38.1	28.6	9.5	4.8	50.8		
CI933-6R	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		
JB51618-2*	Black	250A	5/16"-18	Stainless	N/A	2	54.0	24.9	22.0	22.2	17.5	8.0	1.6	34.9		
JB51618-3*	Red	250A	5/16"-18	Stainless	N/A	2	54.0	24.9	22.0	22.2	17.5	8.0	1.6	34.9		

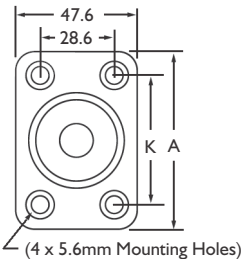


Diagram 1

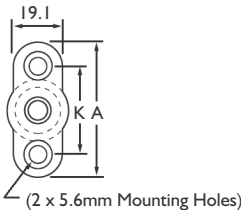
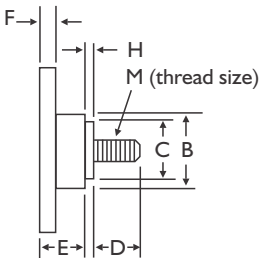


Diagram 2



Voltage: AC / DC

Body: Thermoplastic (*Glass Filled Nylon)

Mounting Torque Rating: 5.4Nm max.

Hardware: Hex nut & spring washer supplied in bulk. Also available without hardware.

Pack Size: 1, 10, 50, 100

Notes: *JB51618-x rated 250A at 12VDC, 48VDC max.

STUD TYPE JUNCTION BLOCKS - FEED THROUGH

Feed-Through blocks are designed to be used on a firewall or panel.



Part Number	Body Colour	Amp Rating	Thread Size M	Stud Mat.	Stud Plating	Dimensions in MM										
						Dia.	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	Tin	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

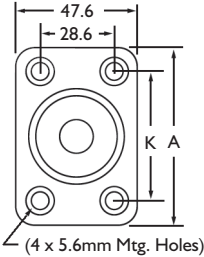


Diagram 1

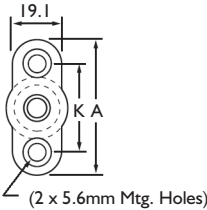
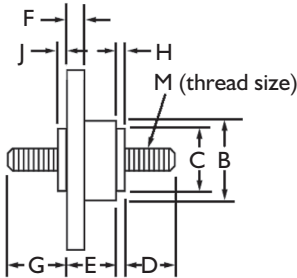


Diagram 2



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

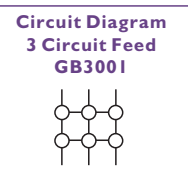
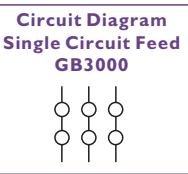
NEW

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

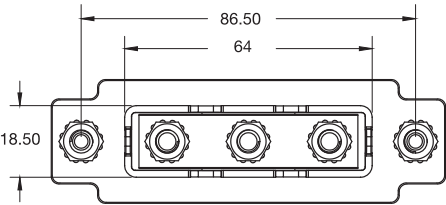
Amperage: See above.
Temperature Rating: -40°C to 85°C
Hardware: M6 nuts included.
Torque: M6 stud & mounting 5.6Nm max.
Current Carrying Studs: Zinc-plated brass.
Mounting Studs: Stainless steel.
Housing: Black UL rated 94V0 thermoplastic.
Cover Colours: Black or red.
Cover Material: Santoprene cover rated 94V0 for protection from accidental shorts.
Gasket: Included for ingress protection. Black santoprene gasket rated 94V0.
Approvals: RoHS



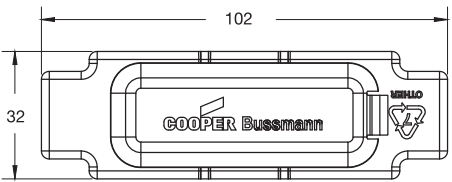
GB3000-1R



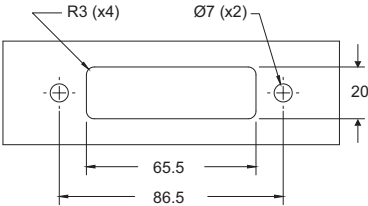
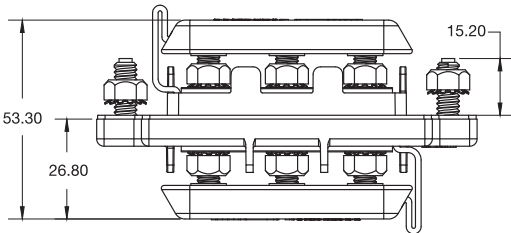
GB3000-1B



Pictured Without Cover



Dimensions in MM



Panel Cutout

HEAVY DUTY BATTERY FEEDER STUDS 3/8"



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.

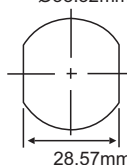
Bushing Size: 32.1mm diameter, 15.9mm length.

Hex Nut



Panel Cutout

Ø33.32mm



Body Diameter: 36mm

Overall Dimensions:
40 D x 40 W x 52 H (mm)

HEAVY DUTY BATTERY JUMPER STUDS 3/8"



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.

Double Nut

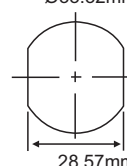


Hex Nut



Panel Cutout

Ø33.32mm



Body Diameter: 36mm

Overall Dimensions:
40 D x 40 W x 67 H (mm)

POWER DIST.

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

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



Panel Cutout
Ø 22.1mm



O-Ring Seal



1/4"-28 Stud

Pass Thru

Mounting Nut

Serrated
Flange Nut

Overall Dimensions:
58 H x 36 W x 32 D (mm)

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

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).

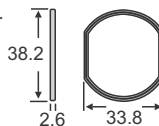
Grade: Commercial & Military.

Mounting Nut & Hardware: See above.

Options: Custom configuration, contact sales.

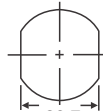
O-Ring Seal

Ø 38.2



Panel Cutout

Ø 33.4



3/8"-16 Stud

Pass Thru

IP67 Seal Nut

Mounting Nut

Double Nut

Stud Cap

Overall Dimensions:
84H x 57 W x 49 D
Dimension in MM

RELATED PRODUCTS:



O-Ring Seal
IP67 Black



Seal Nut
IP67 Red



Seal Nut
IP67 Black



Flange
Nut



Scan this
QR Code
for more
information



QR Code: 9053

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
CI4-1003	Pass Thru Seal Black

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

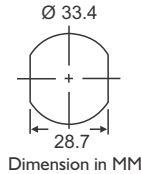
Mounting Locknut: 1.5" Nylon 66.

Hardware: 2 x 1/2"-13 Double Nuts Zinc Plated Steel.

Options: Steel Locknuts & Serrated Flange Nuts.

Approvals: 

Panel Cutout



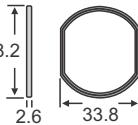
PTR-12B-02



Overall Dimensions:
86 H x 57 W x 44 D (mm)

O-Ring Seal

Ø 38.2



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

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: 

Panel Cutout



PTR-12C-01



PTB-12C-01



Overall Dimensions:
92 H x 93 W x 63 D (mm)

PROLEC

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Web: www.prolecproducts.com.au

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.

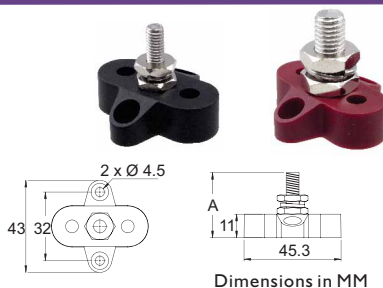
Single Stud JBS

Part Number	Body Colour	Thread Size	Height A (mm)	Stud Amp Rating
JBSM6B	Black	M6	30	100A
JBSM6R	Red	M6	30	100A
JBSM8B	Black	M8	31	200A
JBSM8R	Red	M8	31	200A
JBSM10B	Black	M10	34	300A
JBSM10R	Red	M10	34	300A

Voltage: 48VDC max.

Body: Nylon, glass fibre reinforced.

Studs & Hardware: Stainless steel (included).



Dimensions in MM

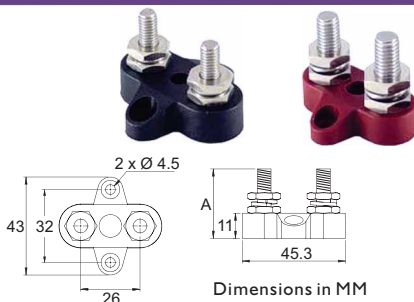
Dual Stud JBD

Part Number	Body Colour	Thread Size	Height A (mm)	Stud Amp Rating
JBDM6B	Black	2 x M6	30	100A
JBDM6R	Red	2 x M6	30	100A
JBDM8B	Black	2 x M8	31	200A
JBDM8R	Red	2 x M8	31	200A

Voltage: 48VDC max.

Body: Nylon, glass fibre reinforced.

Studs & Hardware: Stainless steel (included).



Dimensions in MM

Dual Stud With 80A Busbar Link JBDB

Part Number	Body Colour	Thread Size	Height A (mm)	Stud Amp Rating
JBDBM6B	Black	2 x M6	30	100A
JBDBM6R	Red	2 x M6	30	100A
JBDBM8B	Black	2 x M8	31	200A
JBDBM8R	Red	2 x M8	31	200A

Voltage: 48VDC max.

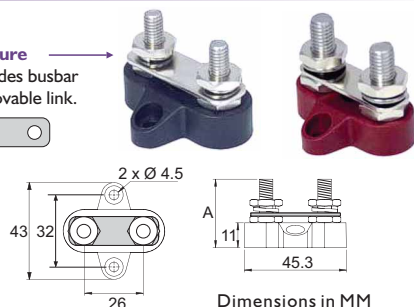
Link Rating: 80A max.

Link Material: Nickel plated brass.

Body: Nylon, glass fibre reinforced.

Studs & Hardware: Stainless steel (included).

Feature →
Includes busbar removable link.



Dimensions in MM

Dual Stud With Stud Barrier JBDBM

Part Number	Body Colour	Thread Size	Height A (mm)	Stud Amp Rating
JBDBM8B	Black	2 x M8	32.5	100A
JBDBM10B	Black	2 x M10	35.5	200A
JBDBM10B	Black	1 x M8 + 1 x M10	35.5	300A

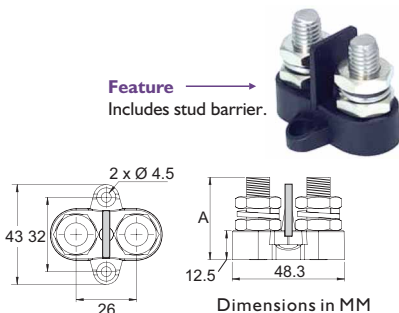
Voltage: 48VDC max.

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.

Feature →
Includes stud barrier.



Dimensions in MM

COMMON BUSBARS WITH COVER & LABELS

PROLEC

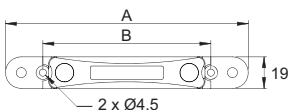
- Heavy-duty busbars for ground or power connection points for DC circuits.
- Ideal for creating a centralized power distribution or grounding point.
- Compact profile with insulated base.
- All common busbars include sticker set and mounting hardware.



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



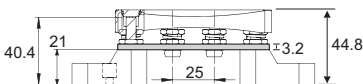
Voltage: 48VDC max. **Rating:** 100A

Body: Nylon, glass fibre reinforced.

Bus Material: Brass.

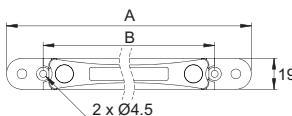
Studs & Hardware: Stainless steel (inc).

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

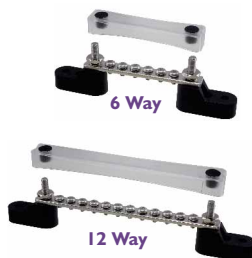
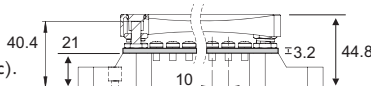
Body: Nylon, glass fibre reinforced.

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.

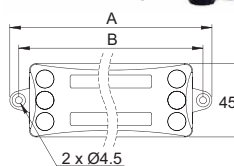
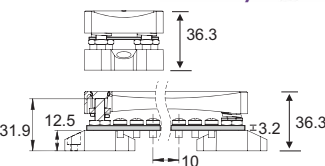
Bus Material: Copper, Tin plated.

Studs: 4 x M6 (1/4")

Studs & Hardware: Stainless steel (inc).

Cover: Transparent (included).

Features: Removable connecting link to separate 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.

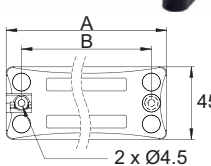
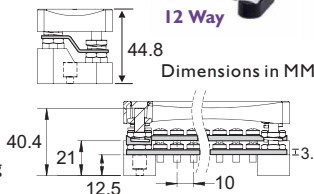
Bus Material: Copper, Tin plated.

Studs: 4 x M6 (1/4")

Studs & Hardware: Stainless steel (inc).

Cover: Transparent (included).

Features: Stepped design, removable connecting 'Z' link to separate or join the 2 bus bars.



POWER DIST.

PROLEC

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COMMON BUSBAR MAXIBUS 5/16" STUDS



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.

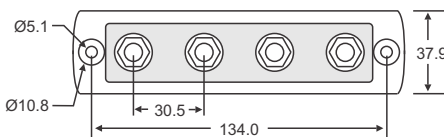
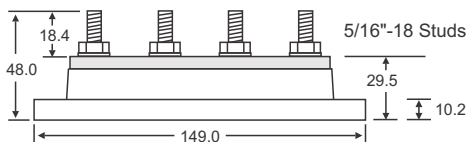
Studs: 5/16"-18 (M8) Stainless steel.

Recommended Terminals: 5/16" or M8 ring.

Hardware: Serrated flange nuts SS.

Mounting Holes: 5mm

Pack Size: 1, 10, 50, 100



Dimensions in MM

COMMON BUSBAR POWERBUS 3/8" STUDS



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

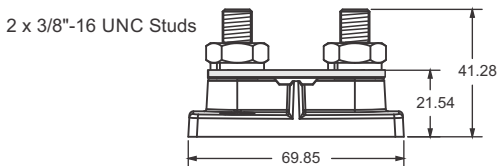
Bus Link: Tin plated copper.

Studs: 3/8"-16 (M10) Stainless steel.

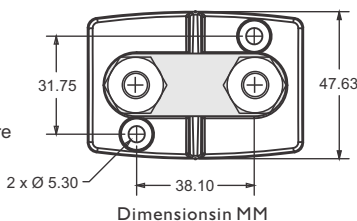
Mounting Holes: #10 or M5 screws

Hardware: Stainless steel nuts & washers included.

Pack Size: 1, 10, 50, 100



Clearance for #10 or
M5 Mounting Hardware



Dimensions in MM

BATTERY TERMINALS DIE CAST



NEW

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
1506270	Positive (+)	Saddle Terminal	25 to 50mm ²
1506280	Negative (-)	Saddle Terminal	25 to 50mm ²
1506120	Positive (+)	Stud Terminal	M10 Stud
1506130	Negative (-)	Stud Terminal	M8 Stud



Saddle Terminal Rear View

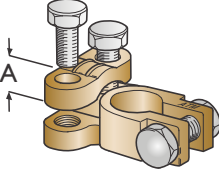


Saddle Terminal Top View

Terminal: Die cast brass
Terminal Hardware: Included
Pack Size: 1, 10



Stud Terminal with Wing Nut



Saddle Terminal Dimension (A)

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 20mm ²
1506666	Negative	Terminal	25 to 40mm ²
1506721	Positive	Terminal	10 to 20mm ²
1506731	Positive	Terminal	25 to 40mm ²
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



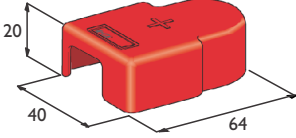
Negative Terminal (Black Band)



Positive Terminal (Red Band)



Positive Terminal Cover 4410480



BATTERY TERMINAL DISTRIBUTION QUICK LOCK - 3 WAY



NEW

These double ring terminals are designed for quick hand release battery terminal disconnection. Available in two versions, stud only and stud + crimp combination.

Part Number	Polarity & Symbol	3 Connection Options
1507956	Negative (-)	M6 stud, M6 stud, Cable 25 to 40mm ²

Terminal: Brass tin plated
Terminal Hardware: Steel zinc plated (M6)
Pack Size: 1, 10



2x Stud & 1x Crimp



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BATTERY TERMINAL DISTRIBUTION UNIT - 3 WAY



UPDATED

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.

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 10-20mm ² .
1606785	M8 Screw 90 degree terminal 25-40mm ² .



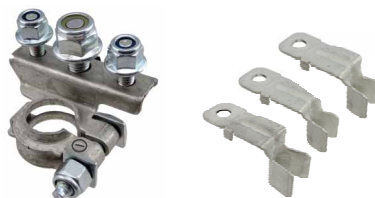
BDU with Terminals Fitted

(+) BDU Kit
1507701K



Red Clip-on Housing

(-) BDU Kit
1507704K



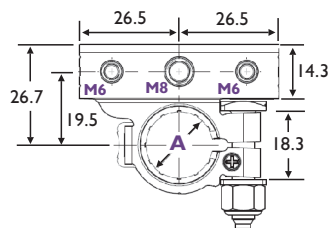
Terminal 1606770
M6 hole 10-20mm²



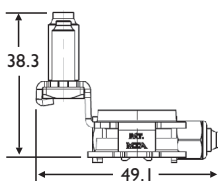
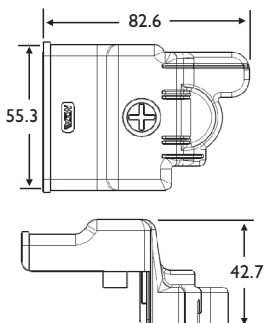
Terminal 1606785
M8 hole 25-40mm²



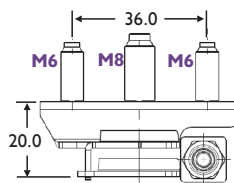
Battery Distribution Unit



- (+) Positive Terminal 'A' = 19mm
(-) Negative Terminal 'A' = 17mm



Dimensions in MM



Relays, Switches, Breaker Panels & Tools

Designed for the application.



Relays

280 Relays; Ultra Micro, Micro & Mini
280 & ISO Flasher Relays
ISO Relays; Micro, Mini
ISO Relays; Mini with Metal Bracket / Skirt
ISO Fused Mini Relay with Metal Bracket
ISO Relays; Maxi and Power Relays
SD / HD Bi-Stable Relay with Aux. Contacts

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Relay Connectors / Sockets

ISO Relay Holder; Micro, Mini, Maxi
Auto Fuse Holder (Connects with Relay Holder)
ISO Relay Connector; Mini
ISO Relay Weatherproof Connector; Mini Skirted

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Switches & Panels

Circuit Breaker / Switch Panels (4 & 6 Way)
Circuit Breaker Panels (12 Way)
Carling Switches & Panel Mount Brackets
Carling Switches & Mounting Panels (4/6/8 Way)

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Battery Disconnect Switches

Battery Disconnect Terminal Switches
Battery Disconnect Switch with Circuit Breaker
Battery Disconnect Emergency Switch
Battery Disconnect SPST & DPST

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Terminal Tools

Terminal Crimp Tools
Terminal Removal Tools

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Terminated & Sealed Cables

Terminated Sealed Cables & Jumpers

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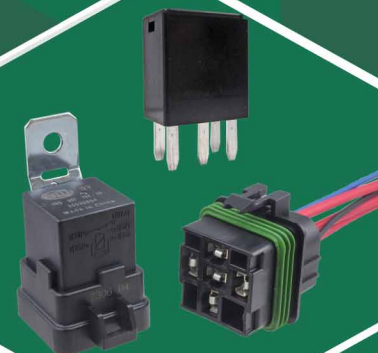
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Terminals

Terminal, Cable Seal and Cavity Plug Kits
Terminals Insulated Disconnects
Insulated Butt Splice
Uninsulated Tubular Ring Terminals

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ULTRA MICRO 280 RELAYS - 303 SERIES



Part Number	Voltage	Contact Action	Ampere Rating		Terminals	Protection	Bracket
303IAHCRI12	12V	SPST	20A	N/O	4 x 2.8mm	½W 1.1KΩ resistor	No
303IAHCRI24	24V	SPST	10A	N/C	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.

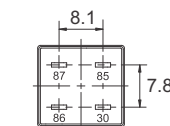
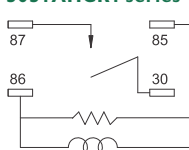
Approval: ELV-2000/53/EC RoHS



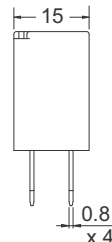
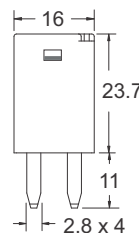
Terminal Size

□ 2.8mm

303IAHCRI series



Dimensions in MM



MICRO 280 RELAYS - 301 SERIES



Part Number	Voltage	Contact Action	Ampere Rating		Terminals	Protection	Bracket
301IACRI12	12V	SPST	35A	N/O	4 x 2.8mm	½W 680Ω resistor	No
301ICCRI12	12V	SPDT	35A	20A	5 x 2.8mm	½W 680Ω resistor	No
301IACRI24	24V	SPST	15A	N/C	4 x 2.8mm	½W 2700Ω resistor	No
301ICCRI24	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)

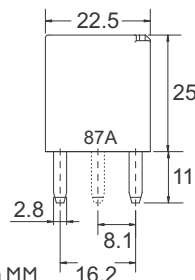
Mechanical Life Expectancy: 10 million operations.

Pack Size: 1pc, 10pcs, 100pcs, 500pcs.

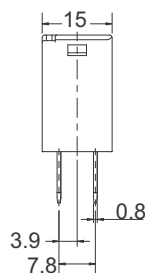
Options: Sealed washable / Dust cover enclosure. Diode protection.

Suits Power Distribution Modules: Pages 120 - 135, 138-146.

Approval: ELV-200/53/EC RoHS



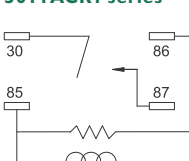
Dimensions in MM



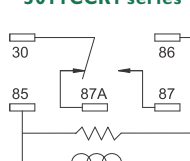
Terminal Size

□ 2.8mm

301IACRI series



301ICCRI series

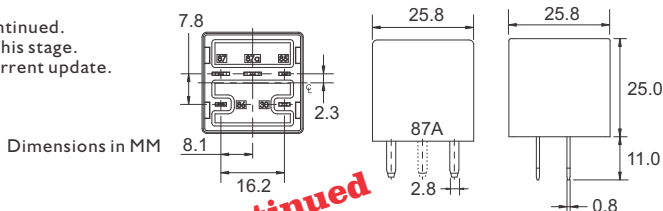


MINI 280 RELAYS - 898 SERIES



Part Number	Voltage	Contact Action	Ampere Rating		Terminals	Protection	Bracket	Enclosure
898H1AHCR124	24V	SPST	20A	N/C	4 x 2.8mm	½W 2700Ω resistor	No	Flux Tight
898H1CHCR124	24V	SPDT	20A	15A	5 x 2.8mm	½W 2700Ω resistor	No	Flux Tight

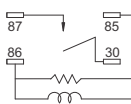
Note: This product has been discontinued. There is no alternative available at this stage. Please contact sales for the most current update.



Terminal Size

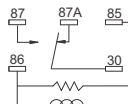
□ 2.8mm

898H1AHCR124 Series



Discontinued

898H1CHCR124 Series



STANDARD FLASHER RELAYS



Bussmann

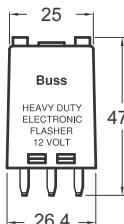
These flashers work with standard bulbs and rely on electronic circuitry (not heat) to operate ensuring excellent performance in extreme climates. Flashes at twice the normal speed to indicate lamp outage, and features an audible click when engaged.

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



NO.761



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
NO-762-LED	4 x 2.8mm	12.6A at 12.8VDC	2 to 6

Terminal Sizes

□ Various Types

NO-758
(6.3mm Pins)



NO-762-LED
(2.8mm Pins)



Scan this QR Code for more information



QR Code: 9023



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

165

MICRO ISO RELAYS 871 SERIES



Part Number	Volt	Contact Action	Ampere Rating N/O N/C	Terminals	Protection	Bracket	Enclosure
871 IACRI12	12V	SPST	35A -	2x 4.8mm, 2x 6.3mm	½W 680Ω resistor	No	Flux Tight
871 ICCRI12	12V	SPDT	35A 20A	3x 4.8mm, 2x 6.3mm	½W 680Ω resistor	No	Flux Tight
871 IACRI24	24V	SPST	15A -	2x 4.8mm, 2x 6.3mm	½W 2700Ω resistor	No	Flux Tight
871 ICCRI24	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.

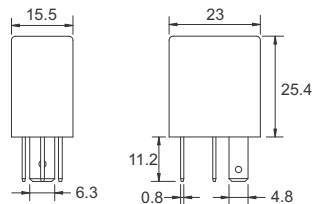
Pack Size: 1pc, 10pcs, 100pcs, 500pcs.

Options: Sealed Washable / Dust cover enclosure.

Diode protection. RoHS

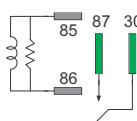
Approval: ELV-2000/53/EC

Suits Holders & Blocks: Pages 137-138, 170.

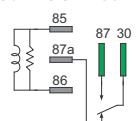


Dimensions in MM

871 IACRI series



871 ICCRI series



Terminal Sizes

- 4.8mm
- 6.3mm (1/4")

MINI ISO RELAYS 896H SERIES



Part Number	Volt	Contact Action	Ampere Rating N/O N/C	Terminals	Protection	Bracket	Enclosure
896H1AHCRI12	12V	SPST	50A -	4 x 6.3mm	½W 680Ω resistor	No	Flux Tight
896H1CHCRI12	12V	SPDT	50A 30A	5 x 6.3mm	½W 680Ω resistor	No	Flux Tight
896H2AHCRI12	12V	DPST	2 x 30A -	5 x 6.3mm	½W 680Ω resistor	No	Flux Tight
896H1AHCRI24	24V	SPST	20A -	4 x 6.3mm	½W 2700Ω resistor	No	Flux Tight
896H1CHCRI24	24V	SPDT	20A 15A	5 x 6.3mm	½W 2700Ω resistor	No	Flux Tight
896H2AHCRI24	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.

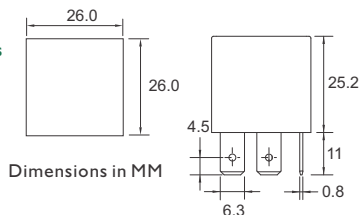
Pack Size: 1pc, 10pcs, 100pcs, 400pcs, 1200pcs.

Options: Sealed Washable / Dust cover enclosure. Diode protection.

Approval: ELV-2000/53/EC RoHS

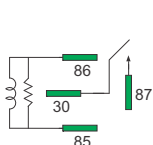
Suits Holders & Blocks: Pages 137-138, 170 - 172.

All Terminals
 6.3mm
 (1/4")

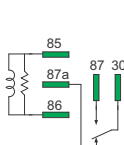


Dimensions in MM

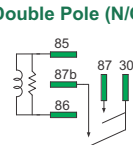
896H1AHCRI series



896H1CHCRI series



896H2AHCRI series Double Pole (N/O)



MINI ISO RELAYS WITH BRACKET 896H SERIES

NEW
SONG CHUAN

Part Number	Volt	Contact Action	Ampere Rating		Terminals	Protection	Steel Bracket	Enclosure
			N/O	N/C				
896H1AHCISR112	12V	SPST	50A	-	4 x 6.3mm	½W 680Ω resistor	Yes	Sealed
896H1CHCISR112	12V	SPDT	50A	30A	5 x 6.3mm	½W 680Ω resistor	Yes	Sealed
896H1AHCISR124	24V	SPST	20A	-	4 x 6.3mm	½W 2700Ω resistor	Yes	Sealed
896H1CHCISR124	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.

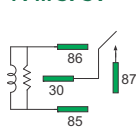
Approval: ELV-2000/53/EC **RoHS**

Notes: Steel bracket is removable.

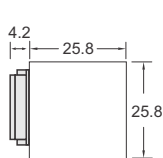
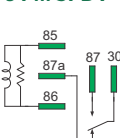
RELATED PRODUCTS:

Relay Connectors
(see p.171)

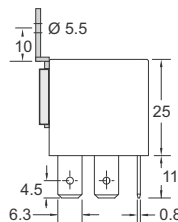
4 Pin SPST



5 Pin SPDT



Dimensions in MM



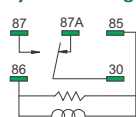
Sealed Relay with Steel Bracket

MINI ISO SKIRTED RELAYS WITH BRACKET 896H SERIES

IP66
NEW
SONG CHUAN

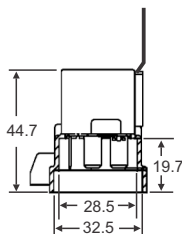
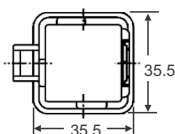
Part Number	Volt	Contact Action	Ampere Rating		Terminals	Protection	Steel Bracket	Waterproof Enclosure
			N/O	N/C				
896H1CHDISWR112	12V	SPDT	50A	30A	5 x 6.3mm	½W 680Ω resistor	Yes	Skirted
896H1CHDISWR124	24V	SPDT	20A	15A	5 x 6.3mm	½W 2700Ω resistor	Yes	Skirted

Relay Circuit Diagram

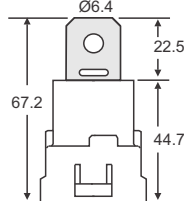


All Terminals

6.3mm (1/4")



Dimensions in MM



Skirted Relay with Removable Steel Bracket

RELATED PRODUCT:

Sealed Relay Connector
(see p.172)



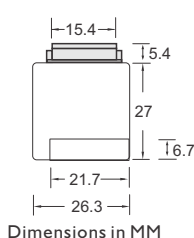
MINI ISO RELAYS WITH FUSE, FUSE COVER & BRACKET

IP65
NEW
GEFBE

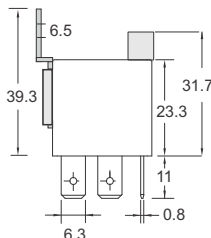
Part Number	Volt	Contact Action	Ampere Rating		Terminals	Protection	Suits Fuse. Not Included	Steel Bracket	Fuse Cover
			N/O	N/C					
995850	12V	SPST	30A	-	4 x 6.3mm	resistor	1A to 30A	Yes	Yes
995870	24V	SPST	15A	-	4 x 6.3mm	resistor	1A to 15A	Yes	Yes

RELATED PRODUCTS:

Auto & LED Auto Fuses
(see p.17)



Dimensions in MM



Clear Fuse Cover and Steel Bracket are Both Removable

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Web: www.prolecproducts.com.au

MAXI ISO RELAYS 897 SERIES



Part Number	Volt	Contact Action	Ampere Rating	N/O	N/C	Terminals	Protection	Bracket
8971AHCRI12	12V	SPST	70A	-	-	2x 6.3mm, 2x 9.5mm	½W 680Ω resistor	-
8971AHCISRI12	12V	SPST	70A	-	-	2x 6.3mm, 2x 9.5mm	½W 680Ω resistor	Metal NEW
8971AHCRI24	24V	SPST	25A	-	-	2x 6.3mm, 2x 9.5mm	½W 2700Ω resistor	-
8971AHCISRI24	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.

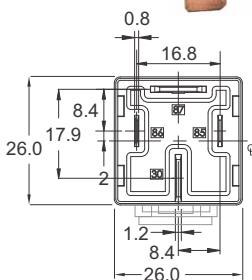
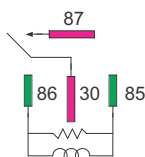
Suits Holders & Blocks: Pages 138, 170 - 171.

Approval: ELV-2000/53/EC **RoHS**

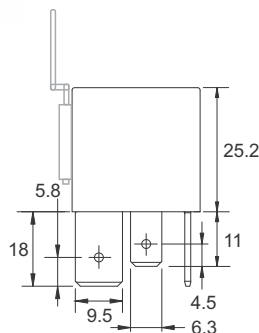
Relay Circuit Diagram

Terminal Sizes

- 6.3mm (1/4")
- 9.5mm (3/8")



Dimensions in MM



POWER RELAYS



IP54 NEW

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.

12V Power Relay (P/N: 05903300)

Designed for use in 12V circuits, it can supply intermittent current loads up to 200A and continuous current loads up to 120A max.

24V Power Relay (P/N: 05903500)

Designed for use in 24V circuits, it can supply intermittent and continuous current loads up to 100A max.



Part Number	Volt	Contact Action	Amperage	Terminals
05903300	12V	SPST	200A*	2x 6.3mm Q.C., 2x M6
05903500	24V	SPST	100A	2x 6.3mm Q.C., 2x M6

Contact Material: Silver Plated Copper

Terminals: M6 Tin-plated Brass

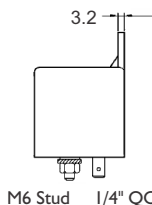
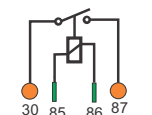
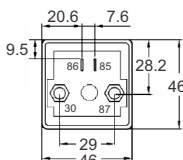
Hardware: Brass contact nuts

Bracket: Plastic

Temperature: -40 to +100°C

Pack Size: 1pc, 10pcs.

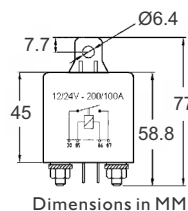
Notes: *Continuous current load 120A max.



M6 Stud 1/4" QC

Terminal Sizes

- 6.3mm (1/4")
- M6 stud



Dimensions in MM

SD BI-STABLE RELAY WITH AUXILIARY CONTACTS



NEW
IP69K
IP66

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 include; 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.

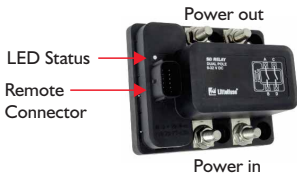


Part Number	Switch Circuit	No. Poles	Control Voltage	Contact Voltage	Continuous Rating	Inrush Current
880103	SPST	Single	9V - 16V	9V - 32V	600A	2000A x 30sec., 3000A x 1sec.
880107	DPST	Double	12V - 24V	9V - 32V	600A (2 x 300A)	1000A x 30sec., 2000A x 1sec.

Scan this QR Code for more information



QR Code: 12001



HD BI-STABLE RELAY WITH AUXILIARY CONTACTS



NEW
IP69K
IP67

The HD Series Bi-Stable Relay is designed to supply high continuous current to electrical accessories on a vehicle eg. large inverter 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.
- LED output wire enables remote indication of relay status – Open or Closed.
- 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.
- Supports high-amp intermittent or continuous current loads.

Part Number	Description	Voltage	Continuous Rating
880086	Relay Module	12V	300A
880088	Relay Module	24V	300A
880092	Remote Switch		

Scan this QR Code for more information



QR Code: 12002



Remote Control Switch



RELAY + SWITCH



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

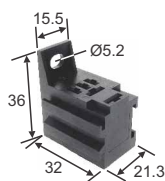
MICRO RELAY HOLDER KIT - SINGLE (4 OR 5 PIN)

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



CE BE

NEW

MINI RELAY HOLDER KIT - SINGLE (4 OR 5 PIN)

Part Number
990421K

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



CE BE

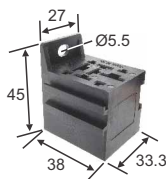
MAXI RELAY HOLDER KIT - SINGLE (4 PIN)

Part Number
990411K

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



CE BE

AUTO FUSE HOLDER KIT - SINGLE (2 PIN)

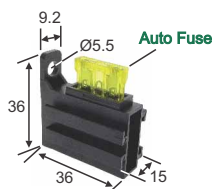
Part Number
990431K

Auto Fuse Kit includes:
1 x Auto fuse holder with bracket mount
2 x Terminals 2.0-3.0mm² (F9.3mm)

RELATED PRODUCTS:

Auto Fuses
(see p.17)

Fuse Cover 00359
(see p.68)



Dimensions in MM



CE BE

Voltage: 32VDC

Pack Size: 1, 10, 50, 100

Features: Gangable.

Options: Terminals 0.5-1.5mm² (F6.3mm) also available.

Approvals: RoHS



Slide lock fuse holders and relay connectors.



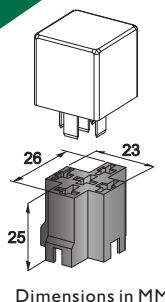
MINI RELAY CONNECTOR KIT - SINGLE (4 OR 5 PIN)



Part Number	Description
10246K	Mini Relay Socket Connector Kit includes; 1 x 10246 (Mini relay connector) 5 x 01650BK (Terminals 1-2.5mm ² 20A, F6.3mm)

Voltage: 32VDC
Pack Size: 1, 10, 100
Approvals:

RELATED PRODUCTS:
 ISO Mini Relays see page 166



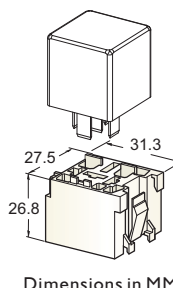
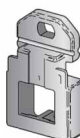
MINI RELAY HOLDER KIT - SINGLE (4 OR 5 PIN)



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 1-2.5mm ² 20A, F6.3mm)

Voltage: 32VDC
Pack Size: 1, 10
Features: Gangable.
Approvals:

RELATED PRODUCTS:
 ISO Mini Relays see page 166



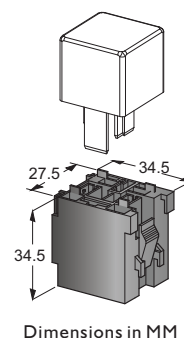
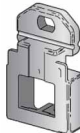
MAXI RELAY HOLDER KIT - SINGLE (4 PIN)



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 0.5-1.5mm ² F6.3mm) 2 x 01720BK (Terminals 6-10mm ² F9.5mm)

Voltage: 32VDC
Pack Size: 1, 10
Features: Gangable.
Approvals:

RELATED PRODUCTS:
 ISO Maxi Relays see page 168



RELAY + SWITCH

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.

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



Connector shown assembled with skirted mini ISO relay.



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-A
Connector



PTSR-T
TPA



Terminals



Cable Seals



Cavity Plug



Voltage: 58VDC

Base Material: Polyesther 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

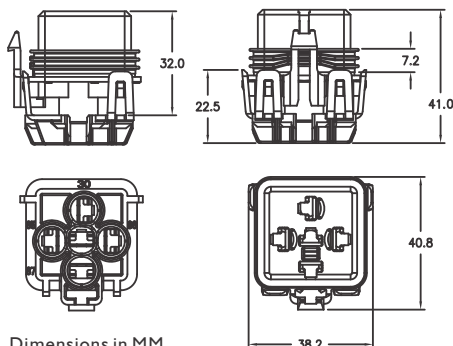
Approvals: RoHS

RELATED PRODUCTS:



Mini ISO Skirted Relay With Bracket

896H ICHD1SWR Series
12V and 24V SPDT (see p.167)



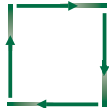
CIRCUIT BREAKER / SWITCH PANELS

PROLEC

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.

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.



PROPNL24S4WB



PROPNL24S6WB



24HP2151

Part Number	Description
PROPNL24S4WB	4 Positions Panel (130mm x 100mm)
PROPNL24S6WB	6 Positions Panel (190mm x 100mm)
24HP2151	Breaker Switch Hole Plug Blank

NEW

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)



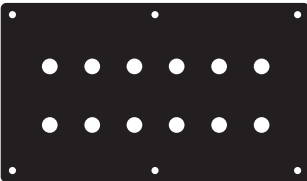
Alternative Switch or Switch Circuit Breaker Options

CIRCUIT BREAKER PUSH TO RESET DISTRIBUTION PANEL

PROLEC

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.

Part Number	Description
PROPNL14S12WB	12 Position Blank Panel (185mm x 110mm)
14HP38	Circuit Breaker Hole Plug 3/8" (9.5mm)



PROPNL14S12WB

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.

PROLEC

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

Switch Units

Part Number	Switch Type	Switching*	LED Indication	Rating
VID1001	Single Pole	On / Off	Blue Backlight / Green On	12VDC, 20A
V2D1001	Single Pole	(On) / Off	Blue Backlight	12VDC, 20A
V8D1001	Single Pole	(On) / Off / (On)	Blue Backlight	12VDC, 20A

*(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 Etchable	Blank / Custom



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



2x VME01 + 1x VMM01 Assembled Panels Example

Actuator: Blank, 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

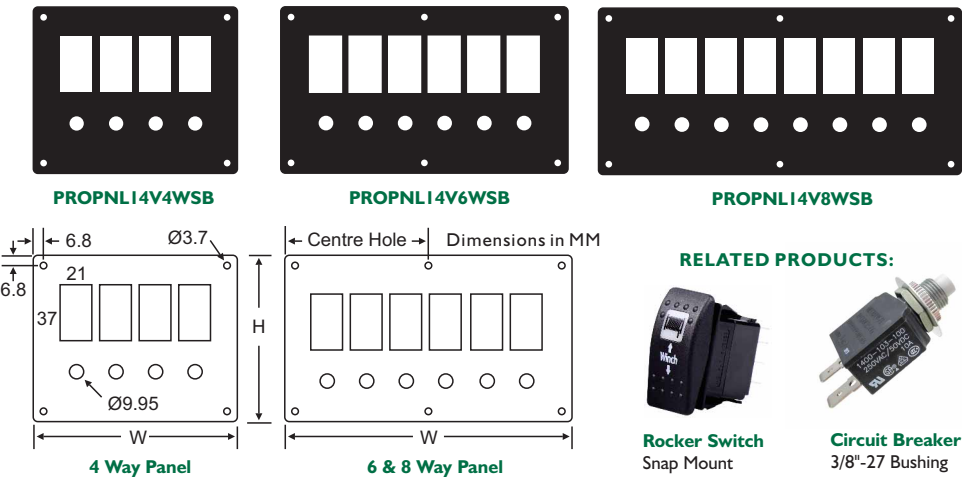


Scan this QR Code for more information



QR Code: 9018

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.



Part Number	Description	Dimensions (W x H)	Centre Hole
PROPNNL14V4WSB	4 Way Blank Panel	135 x 110mm	-
PROPNNL14V6WSB	6 Way Blank Panel	190 x 110mm	95mm
PROPNNL14V8WSB	8 Way Blank Panel	240 x 110mm	120mm
VHP01	Hole Plug Breaker	13 x 10.5mm	9.5mm
I4HP38	Hole Plug Switch	48 x 23mm	37 x 21 mm

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.



RELATED PRODUCTS:



Rocker Switch
 Snap Mount
 (Refer page 174)



Circuit Breaker
 3/8"-27 Bushing
 (Refer page 54)



Rocker Switch
 Hole Plug
 37x21mm



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)

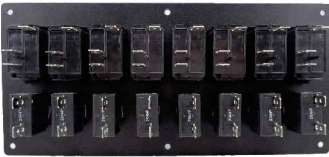
Sample Loaded 8 Way Panel (Non Wired).

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 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

BATTERY DISCONNECT WITH CIRCUIT BREAKER



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.

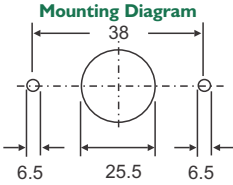
EMERGENCY BATTERY DISCONNECT SWITCH 12-24VDC



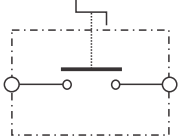
Emergency Manual Battery Disconnect Switch with ROTATE to SWITCH ON & PUSH KNOB to SWITCH OFF in the event of an emergency. Switch status is indicated through a window on the top of the knob.

NEW

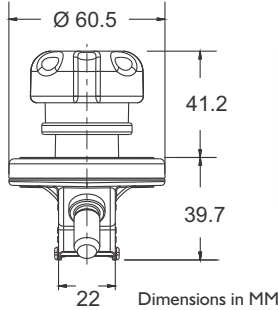
Part Number	Amperage	Intermittent Current	Circuitry	Ingress Rating	Mounting	Copper Terminals	Notes
08080200	150A	1200A at 5s	SPST	IP65	Through-Hole	M10 Ag Plated	Push to Off



Mounting Diagram



Electrical Diagram



Top View of Knob

Push to turn OFF

Turn to switch ON



EMERGENCY BATTERY DISCONNECT SWITCH 12-24VDC



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

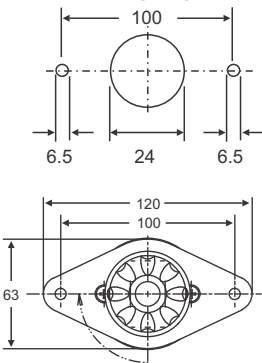
IP65

Features

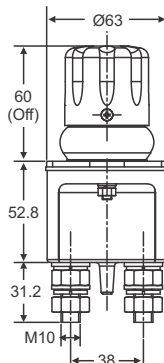
- 250A continuous current rating.
- Push to off emergency shutdown feature.
- Waterproof and dust proof to IP65.
- Highly visible bright red handle.

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

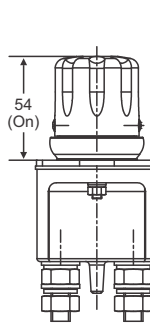
Mounting Diagram



Push to turn OFF

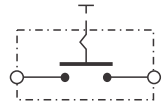


Turn to switch ON



Dimensions in MM

Electrical Diagram



RELAY + SWITCH

BATTERY DISCONNECT SWITCHES 12-24VDC

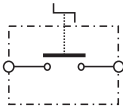


NEW

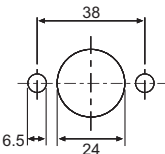
These battery disconnect switches all feature a removable key handle and compact plastic body. The 08098700 is the standard manual battery disconnect switch rated to 100A with M8 terminals. The 08098780 is rated to 150A max. continuous current with M10 stud terminals designed for heavier current loads 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

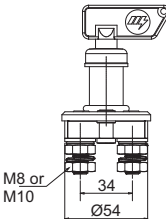
Electrical Diagram



Mounting Diagram



Dimensions in MM



08098700
08098780



08099080

BATTERY DISCONNECT SWITCH 12-24VDC



NEW

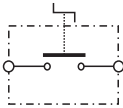
IP65

IP69K

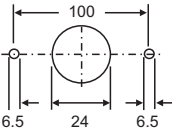
Manual battery switch with removable or fixed handle and available with weather protective boots. 08098800 - Switch with removable handle. Interchangeable with Bosch. 0341 002003 switches. 08098881 - Switch with removable handle and chain. Includes red, yellow rubber boots & black cover for weather protection 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

RELAY + SWITCH

MASTER DISCONNECT SWITCH 6-32VDC



The 75920 Master Battery Disconnect switch is designed to protect service personnel and your vehicle systems. The switch protects vehicles from both battery drain and theft as well as allowing service personnel to lock-out tag-out. It also serves as an effective emergency power cutoff.



Features

- High amperage capacity: 400A at 12V DC.
- Can be used in high side or low side applications.
- Waterproof and dustproof to IP68.
- Composite engineered polymer housing will not rust or corrode.
- Tested per SAE I455 for salt, calcium chloride and magnesium chloride.
- Large red knob is easy to operate with gloves.
- 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.

Part Number	Voltage	Circuitry	Ingress Rating	Switch Pos Symbol	Feature	Actuator Colour
75920	6V-36V	SPST	IP68	"On"- "Off"	Lockout	Red
75920-01	6V-36V	SPST	IP68	"On"- "Off"	Lockout	Yellow

Mounting: Panel Mount

Continuous Current: 12V:400A
24V:300A
36V:200A

Intermittent Current: 12V: 1000A, 90sec on, 5 min off.
12V: 1500A, 60sec on, 5 min off.
12V: 2000A, 30sec on, 5 min off.
12V: 3000A, 15sec on, 5 min off.

Operating Temperature: -40 to 85 degC

Terminal Studs : Copper 3/8"-24.

Hardware: Stainless steel nuts (included)

Corrosion Test: 96 hours - salt spray test to ASTM standard.

Vibration and Shock Test: SAE J1455

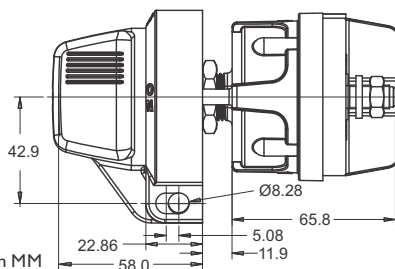
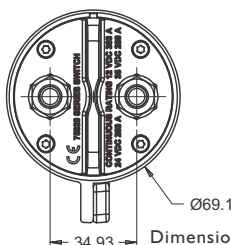
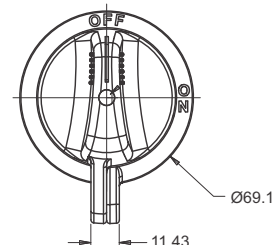
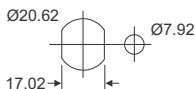
Ingress Protection Rating: IP68.

Approvals: SAE

Mounting Diagram #1 Without Panel Punch



#2 With Panel Punch



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

MASTER DISCONNECT SWITCH 48VDC



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.

Part Number	Voltage	Amperage	Cranking Rating	Circuitry	Ingress Rating
880062	48V	300A	12VDC, 30 Sec 1250A (1 x 4/0 cable)	SPST	IP67 / IP69K

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.

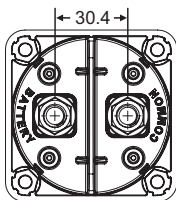
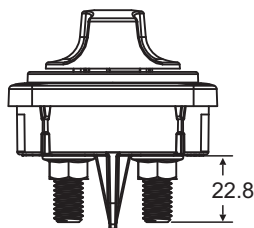
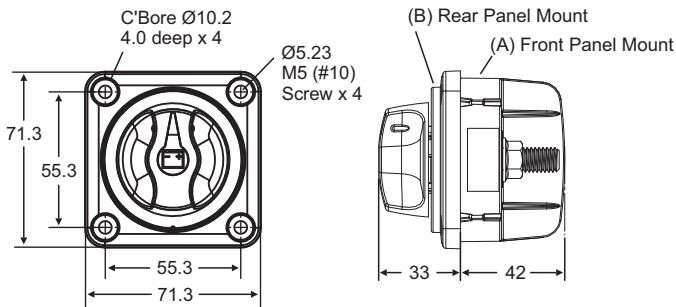
Cranking rating (2 sec): 1,250A (1 x 4/0 cable)



Front Face

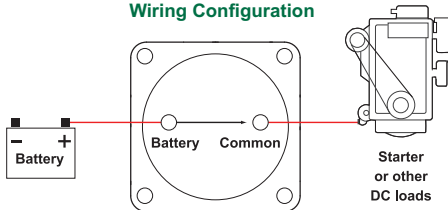


Rear Side



Dimensions in MM

Wiring Configuration



Master Battery Disconnect
(shown in ON state)

MASTER DISCONNECT SWITCH 36-48VDC



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.

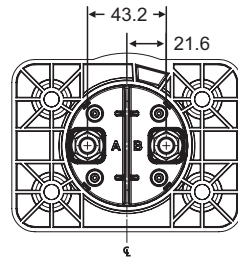
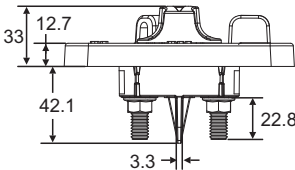
Terminal Stud Size: 3/8" - 16 (accepts M10 terminals).

Terminal Studs: Tin-plated copper.

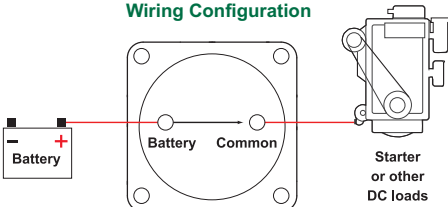
Hardware: Stainless steel nuts (included).

Ingress Protection Rating: IP67 / IP69K.

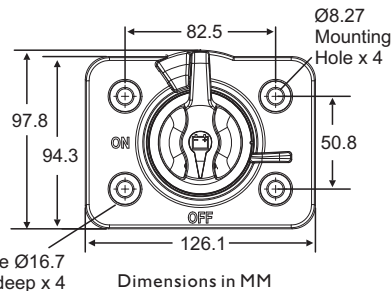
Ignition Protection: Meets ISO 8846 & SAE J1171



Wiring Configuration



Master Battery Disconnect
(shown in ON state)



Dimensions in MM



Email: info@prolecproducts.com.au
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MASTER DISCONNECT SWITCH 12-48VDC



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.



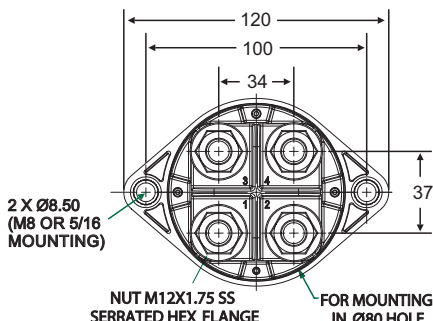
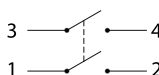
880175-0001



880175-0002



Internal Switch Circuit Diagram

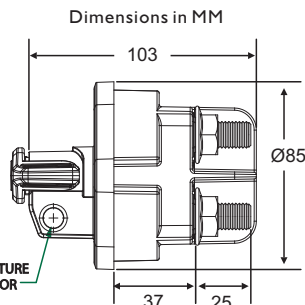


Scan this QR Code for more information



QR Code: 9039

2 X LOCKOUT FEATURE ACCEPTS HASP OR PADLOCK



BATTERY DISCONNECT SWITCH 24VDC



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.

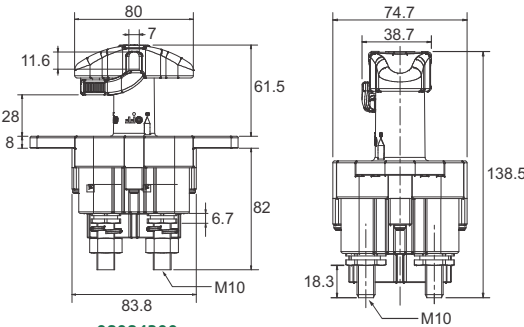
Terminal Stud Size: noted above.

Terminal Studs: Tin-plated copper

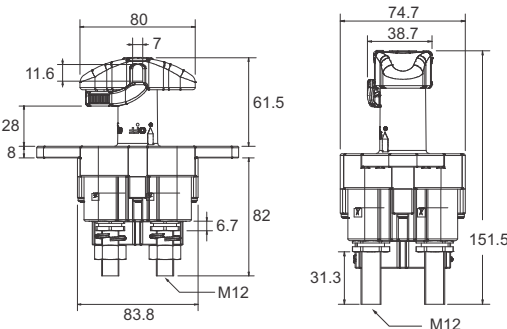
Hardware: Stainless steel nuts (included)

Ingress Protection Rating: IP67 / IP69K.

Temperature Rating: -40 °C to +85 °C



08084300

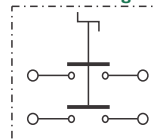


08084400

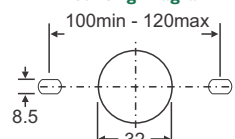
Dimensions in MM



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

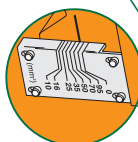
Wire Size Range: #8AWG to 3/0AWG

Notes: Tool can also be held in vice jaws.

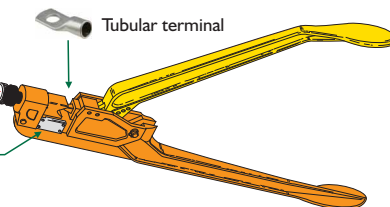
Pack Size: 1

Turn screw to
change gauge setting.

Tubular terminal



Gauge Setting



RELATED PRODUCTS:



Tubular Terminals
(see p.188)



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Web: www.prolecproducts.com.au

TERMINAL CRIMPING TOOL - WEATHER PACK

PROLEC

This tool is designed to crimp a terminal and a seal onto a stripped end of an 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, I5305 & I540X, 3IS, 3IM, 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

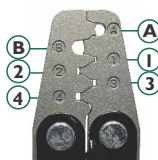
B : Crimp Metri-Pack 280 & AMP MCP 2.8 seals

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

PROLEC

These tools are designed to crimp a terminal and cable seal onto a stripped end of an 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 / 0.5-0.8mm ² H7 jaw set suits: (AWG16-14 / 12) 1.0-2.0 / 3.0mm ² Weather Pack connector terminal removal tool

CT-JA18B pictured
with jaw set inserted

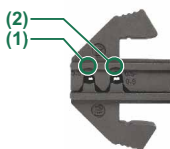
Crimps: Aptiv Delphi Metri-Pack 280 & Weather Pack terminals.

Terminal Gauge Range: AWG22 - 12 (0.35mm² to 3mm²)

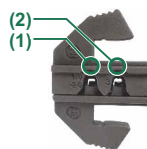
Notes: Suits terminals used with PDM's products including; Bussmann: CFH-A, I5305 & I540X, 3IS, 3IM, XTCK4 GEP: FRH-A12, FRH-A24, PDM-R3A, PDM-S3A, PDM-U3A Littelfuse: BPDMA104, PDM7100, PDM3100, PDM2100

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



PROLEC

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Web: www.prolecproducts.com.au

TERMINAL CRIMPING TOOL DELPHI APTIV

PROLEC

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 I57 series fuse blocks (p.92). Crimps core wings only.
Pack Size: 1



TERMINAL REMOVAL TOOLS DELPHI APTIV

PROLEC

These tools are designed to remove terminals fitted in PDM's, holders or connectors.

Part Number
I2094429



Extracts: Delphi GT I50; GT 280; I50 Metri-Pack; 280 Metri-Pack; 280 Tangless & 280 Bus Bar; 630 Pull-To-Seat; Lamp Socket Bases, B-I & W-3; 800 Metri-Pack Female.
Notes: As used in Bussmann I5303, I5305, I5401, 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, PDM3100I, PDM2100I and PDM7100I Power Distribution Modules.
Pack Size: 1



Part Number
I2094430



Extracts: Delphi Pack-Con series 3 & 5 terminals.
Notes: As used in Bussmann RTA I57 series rear terminal fuse blocks (p.92).
Pack Size: 1

TERMINATED, SEALED CABLES & JUMPERS DELPHI APTIV

PROLEC

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	Suit Various PDM's
CAB2.0X85TS1J	Jumper	Dual End, Tangless	Red 1.84mm ² x 90mm	I5303-1 to I5303-6,
CAB2.0X300TS1	Cable Lead	Single End, Tangless	Red 1.84mm ² x 300mm	I5305-1, I5305-2, I5305-3,
CAB2.0X300TS2	Cable Lead	Single End, Tangless	Blue 1.84mm ² x 300mm	I5305-4, I5305-5, I5305-6,
CAB2.0X85TS1TJ	Jumper	Dual End, Tanged	Red 1.84mm ² x 90mm	BPDMA104, CFH-Axx,
CAB2.0X300TS1T	Cable Lead	Single End, Tanged	Red 1.84mm ² x 300mm	FRH-A12, FRH-A24,
CAB2.0X300TS2T	Cable Lead	Single End, Tanged	Blue 1.84mm ² x 300mm	PDM-R3AC1, PDM-S3AC1,
				PDM-U3AC1,
				PDM-3100I, PDM2100I,
				PDM71003, I5401, I5402,
				I5403, I5404

Terminal Type: Delphi Aptiv Metri-Pack 280
Notes: As used in various PDM fuse and relay blocks.
Pack Size: 1, 10, 50, 100



	Tangless	CAB2.0X85TS1x	
		CAB2.0X300TS2x	
	Tanged	CAB2.0X300TS1x	

TERMINAL, SEAL AND CAVITY PLUG KITS

PROLEC

NEW

- Features:**
- Suits various brands and models of hard wired power distribution modules.
 - 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 PDM's 280 Style
Bussmann CFH Series
Littelfuse HWB18 & HWB60

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 PDM's 280 Style
Bussmann RFMR's 154 Series

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 Series
Littelfuse HWB12

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



RELAY + SWITCH

PROLEC

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Web: www.prolecproducts.com.au

INSULATED HEAT SHRINK BUTT SPlice CONNECTORS

PROLEC

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)
I9164-0013	Butt Splice	22-18AWG	Red	15	39.4	4.7
I9164-0044	Butt Splice	16-14AWG	Blue	15	39.4	4.95
I9164-0056	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

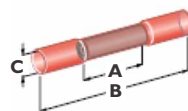


1-140V PERMA-SEAL

1/. Insert both cables & crimp



2/. Apply heat to seal



MALE & FEMALE PVC INSULATED DISCONNECTS

MTA

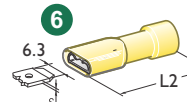
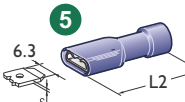
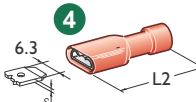
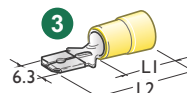
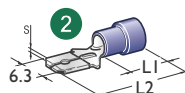
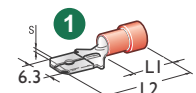
Part Number	Nylon Insulated	Wire Section	L1 (mm)	L2 (mm)	Dia	Colour
I852000	1/4" Male Push On	0.25-1.00mm ²	12	21.0	1	Red
I856000	1/4" Male Push On	1.00-2.50mm ²	12	21.0	2	Blue
I862000	1/4" Male Push On	2.50-6.00mm ²	13	22.5	3	Yellow
I851500	1/4" Female Push On	0.25-1.00mm ²	-	23.5	4	Red
I855500	1/4" Female Push On	1.00-2.50mm ²	-	23.5	5	Blue
I860500	1/4" Female Push On	2.50-6.00mm ²	-	24.0	6	Yellow

NEW

RELATED PRODUCTS:



Crimping Tools
(see p.184)



TUBULAR TERMINAL CRIMPING TOOL

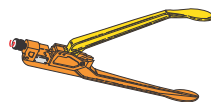
MTA

Part Number	Screw Hole	Wire Section	Dia.
05000BK	M6	16mm ²	1
05100BK	M8	16mm ²	1
05010BK	M8	25mm ²	2
05021BK	M8	35mm ²	2
05110BK	M10	25mm ²	3
05020BK	M10	35mm ²	3
05030BK	M11	50mm ²	4
05040BK	M13	75mm ²	5

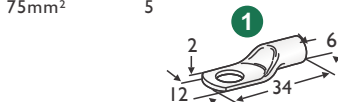
NEW



RELATED PRODUCT:

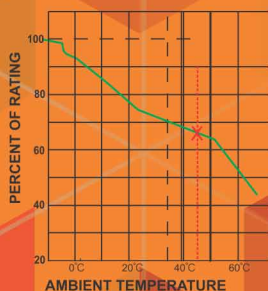


Crimping Tool
(see p.184)



Information, Notes & Part Number Index

Industry know-how.



Information

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CAUS



SAE



HF

RoHS

REACH



**IGNITION
PROTECTED**

IP66

INFORMATION

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.

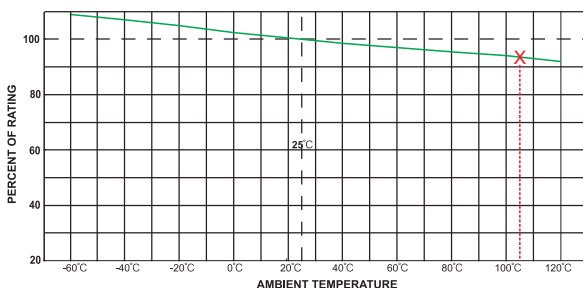
Re-rating For Ambient Temperature

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

$$\frac{\text{Normal Operating Current}}{\text{Re-rating} \times \text{De-rating}} = \frac{15\text{A}}{0.88 \times 0.75}$$

The fuse rating we require is: 22.73A at 105°C.



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* .

Type 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)				
AWG	B&S	mm ²	mm (dia.)	At 25°C		At 80°C		At 105°C
				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 mm² = 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.

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.

IP67

↓

Liquid Protection Rating

↓

Solid Protection Rating

IP = Ingress Protection

IP67 Example Catalogue Symbol For IP Rating

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 vehicles
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.

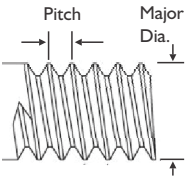
INFORMATION

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.
- BSW** = British Standard Whitworth.
- UNC** = Unified National Coarse.
- MM** = Millimeter.
- BSF** = British Standard Fine.
- UNF** = Unified National Fine.
- TPI** = Number of threads per inch.
- 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.

Retail Clamshell - Single Cavity



Counter Displays Modular Multi Peg



Assortment Trade Kit



Multi Cavity



Poly Bag



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	—	Mini	10	18
Maxifuse LED Indicating	1	—	Mini	10	18
Fusible Links PAL	1	—	Mini	10	20-22
Midi Fuse	1	—	Mini	10	24
Mega Fuse	1	—	Mini	10	25
Battery Fuse	1	—	Mini	10	28
Lift Truck Fuse ANL	1	—	Junior	10	27
Mini 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

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00011FIDUK	111	01600K1	138	08098780	178	1507956	161
00330	75	01601	140	08098800	178	152001	80
00331	75	01602	140	08098881	178	152001KIT1	80
00341	75	01620	140	08098882	178	152001KIT2	80
00352	75	01630	140	08099080	178	152900	80
00357	75	01650..	137	08240..	112	15305-1-6-3	129
00358	44	01651..	137	08245..	112	15305-1-6-4	129
00359	68	01655..	137	08250..	112	15305-2-6-4	130
00380K1	82	01660K1	138	08331..	138	15305-3-6-4	132
00380K2	82	01690K	138	08332..	138	15305-4-0-4	131
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00400	78	01720BK	171	0FHZ0005Z	108	15317331	172
00400K1	78	01940..	137	0FHZ0009Z	108	15324980	119
00400K2	78	02050..	138	0FHZ00853-BX	107	15324981	119
00400K3	78	02330	78	0FHZ00854-BX	107	15324982	119
00415	78	02330K1	78	0FHZ0201Z	107	15324983	119
00420	68	02330K2	78	0FHZ0202Z	107	15324987	172
00430	78	02330K3	78	0FHZ0211Z	107	15324988	172
00440	78	02400113P	14	0FHZ0212Z	107	15324989	172
00540K	89	0297900	14			15324990	172
00560K	89	02981001	100			15324991	172
00580K	89	02981028	99			15324994	119
00590K	88	0300468	111	100132-1	93	15324995	119
00600K	88	0300552	118	10245	171	15324996	119
00610K	88	0300839	118	10246K	171	15324997	119
00650	137	0301..	96	10247	171	15344631	119
00655K	137	0301873	118	12010300	119	15344632	119
00660	137	0495900	21	12020321	92	15401-1-2-1-0A	134
00665K	137	04980900	94	12020400	92	15402-1-2-1-0A	134
00670	137	04980903	94	12052455	110	15404-1-0-1-0A	134
00680	137	04980921GXMS	81	12052456	110	155320U	74
00690	137	04981038	98	12052457	110	155430U	74
00691	137	05000BK	188	12059255	119	15600..-20	87
00697	78	05010BK	188	12077411	119	15600..-21	87
00698	78	05020BK	188	12077413	119	15710-TP	92
00699	140	05021BK	188	12084201	119	15711..	92
00700	137	05030BK	188	12094429	186	15712..	92
00705K	137	05040BK	188	12094430	186	15713..	92
00710	112	05100BK	188	12110845	133	15714..	92
00940402ZP	23	05110BK	188	12110846	133	1580-101..	54
00970025	44	05903300	168	12110847	133	1580-131..	54
00970026	44	05903500	168	12110853	133	1600-382-1	54
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01005K2	79	07660..	79	121A..-B2P	52	171-P2..	62
01005K3	79	07670..	79	123A..-B2P	52	171-S0..	60
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0101881	19	07741..	138	1400-103..	54	174-P2..	62
01180	140	07900..	78	1480-103..	54	174-S2..	60
01237	140	07901..	78	1480-123..	54	174-S3..	61
01376	140	07911..	137	14HP38	173	175-P0..	62
01400K1	72	07912..	78	1500-101..	54	175-P2..	62
01400K2	72	07920..	78	150322	69	175-S0..	60
01435K	86	07930..	78	150332	69	175-S1..	61
01460K1	138	07940..	78	1506120	161	175-S2..	60
01470K	138	07981002ZXS	114	1506130	161	175-S3..	61
01484K	138	07985003ZXS	115	1506270	161	17LED-R	60
01494K	138	07992..	138	1506280	161	1800E..	57
01504K	138	07993..	138	1506656	161	181..F	64
01510K1	138	08080200	177	1506666	161	1810E..	57
01520	140	08084300	183	1506721	161	1851500	188
01530	140	08084400	183	1506731	161	1852000	188
01550	140	08098400	177	1507701	162	1855500	188
01564K	138			1507701K	162	1856000	188
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194..	51	43433H	149	896H1AHCISR..	167	B162-7002/J	136
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1-968876-1	121	43445H	149	896H1CHCISR..	167	BAT-TAP	84
19A-P10-N..	58	43506/22	148	896H1CHCR..	166	BAT-TAP-POST	84
19A-P21-N..	59	43509/12	148	896H1CHDISWR..	167	BB12M4	159
19M-P10-B..	58	43515	147	896H2AHCRC..	166	BB4M6	159
19M-P11-B..	58	43516	147	8971AHCISR..	168	BB6M4	159
19M-P21-B..	59	43517	148	8971AHCRC..	168	BB6M6	159
IAG..	10	43520/24	147	898H1AHCRC..	165	BBD12M4	159
2		43525/24	147	898H1CHCR..	165	BBD12M4S	159
21000	79	4358100	148	8AG..	10	BBD6M4	159
211..	48	4358101	148	9		BBD6M4S	159
212..	48	4358102	148	901-327	121	BBS..	12
21200	79	43585	148	913-007-001	74	BC800	68
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CATALOGUE SYMBOLS

PROLEC



New Product



Military Standard / Grade



Information



Updated Product



Ignition Protected



Video Content



Silver Plated



Do It Yourself



Ingress Protection
IP chart see page 193



Electric Vehicle Application
500V, 800V, 850V, 1000V.



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INTERNATIONAL APPROVAL MARKINGS



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 (EU)



REACH (EU)



Lead Free

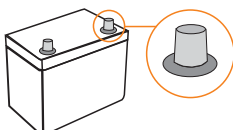


Halogen Free

AUTOMOTIVE BATTERY TERMINAL TYPES

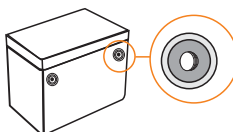
TOP POST

Cone Shape



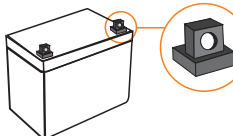
SIDE TERMINAL

Threaded Terminal
3/8"-16
Positive & Negative



FLAG TERMINAL

Nut and Bolt Fixing



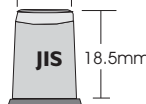
Pos. 17.5mm
Neg. 15.9mm



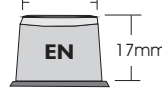
Pos. 19.5mm
Neg. 17.9mm



Pos. 14.5mm
Neg. 12.8mm

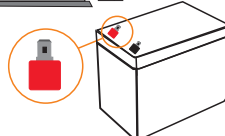


Pos. 19.5mm
Neg. 17.9mm



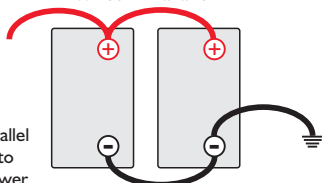
FASTON TERMINAL

Quick Connect Terminal
F1 4.8mm, F2 6.35mm



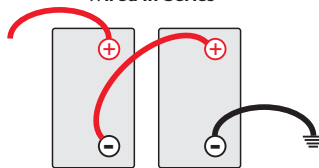
BATTERY PAIRING

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Combine batteries in parallel
to create a battery bank to
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increases your voltage to 24V.

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