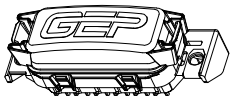
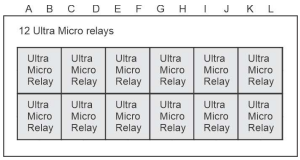
Table of Contents

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2	Module Kit	
3	Module & Parts	
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4	Dimensions	
5	Component Layouts	

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

POWER DIST. MODULE KIT - 48 POSITION

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: Silicone material UL94-V0.
Cavity Plugs: Required to fill unused output cavities for ingress protection. Silicone material.
Terminal Tools: Terminal crimping & removal tools available.
Components: Mini fuses, breakers and relays are not included.
Features: Terminal numbering on base rear. PDM's are interlockable.
Ingress Protection Rating: IP66. **Approvals:** RoHS REACH



PDMKIT-R3A
Fuses & Relays not included

Part Number	Kit Contents
PDMKIT-R3A	Relay Housing, Seal, M6 Mounting Clips, Cover, Black Tether, Terminals, Cable Seals and Blue TPA's

KIT INCLUDES:

Part Number	Component Details
PDM-R3AC1	1 x Housing, Seal, Cover and 2 x M6 Mounting Clips
PDM-TT1	6 x TPA Terminal Position Assurance for Relays
PDM-SCT	1 x Tether Black
12129493	50 x Terminal (#14-12AWG), 2.0 - 3.0mm^2
15324980	50 x Cable Seal 2.81 - 3.49mm dia.
12010300	10 x Cavity Plug





Terminals, Cable Seals & Cavity Plugs
Please refer for page 3 for ordering options.



TPA: PDM-TT1
8 Positions



TETHER: PDM-SCT
Links Cover with Base
(Fitting help on page 4)

RELATED PRODUCTS:



Mini Fuses, LED Fuses, Circuit Breakers, Transorbs, Diodes & Shunts.



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



Terminal, Seal & Plug Kits.
TERMKIT002



Tanged Cables, Jumpers, Splice Connectors,



Crimping Tools & Terminal Removal Tool.

POWER DIST. MODULE SEALED - 48 POSITION

GEP POWER PRODUCTS

IP66
58V

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.

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, relays, tether, TPA's, terminals, cable seals & cavity plugs are not included and sold separately.
Features: Terminal numbering on base rear. PDM's are interlockable.
Ingress Protection Rating: IP66. **Approvals:** RoHS REACH



48 Way PDM



PDM-R3AC1
Fuses & Relays not included

Part Number	Description	
PDM-R3AC1	PDM Housing 48 Pos, Seal, Cover & 2x Mtg. Clips	
PDM-TT1	TPA Terminal Position Assurance, 6pcs Required	
PDM-SCT	PDM Tether Black Flexible (110mm - 160mm)	
PDM-TK	Diode Key Red Nylon. Drops into PDM Base Slots	
PDM-BB12	Insulated Busbar 12 Position, 2.8mm Terminals	NEW

Note: All parts are ordered separately.



TERMINALS: TANGED
Female Sealed,
Tin Brass / Tin Plated



CABLE SEALS:
CAVITY PLUG:
Silicone





TETHER: PDM-SCT
Links Cover with Base
(Fitting help on page 4)

Part Number	Description
12084201	Tanged Terminal Female (#22-20AWG), 0.35 - 0.5mm²
12077411	Tanged Terminal Female (#18-16AWG), 0.80 - 1.0mm²
12129493	Tanged Terminal Female (#14-12AWG), 2.0 - 3.0mm²
12077413	Tanged Terminal Female (#10AWG), 5.0mm²

15324983	Cable Seal, 1.29 - 1.70mm Cable Diameter Dark Red	
15324982	Cable Seal, 2.03 - 2.85mm Cable Diameter Green	
15324980	Cable Seal, 2.81 - 3.49mm Cable Diameter Grey	
15324981	Cable Seal, 3.45 - 4.30mm Cable Diameter Blue	
12010300	Cavity Plug, 6.7mm Cavity inside Diameter Green	

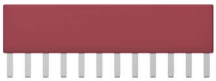
DIODE KEY: PDM-TK



Diode key drops into PDM base slot as pictured. Nylon.



BUSBAR: PDM-BB12
12 Position



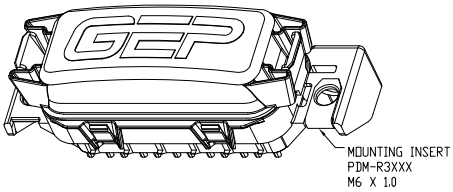


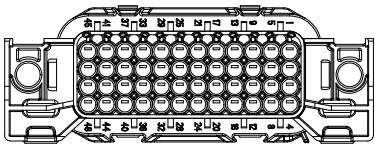
TPA: PDM-TT1
8 Positions

MOUNTING CLIP:
PDM-TMC

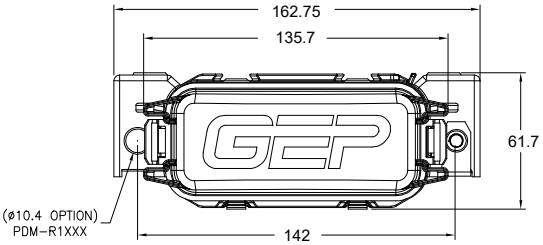




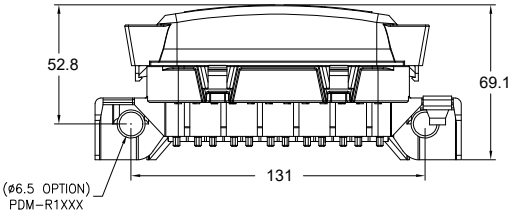


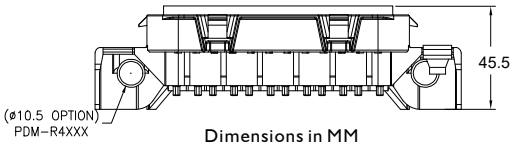


Terminal Numbering
(Rear of Unit)









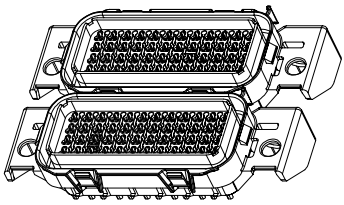
Dimensions in MM

Tether Installation Instructions

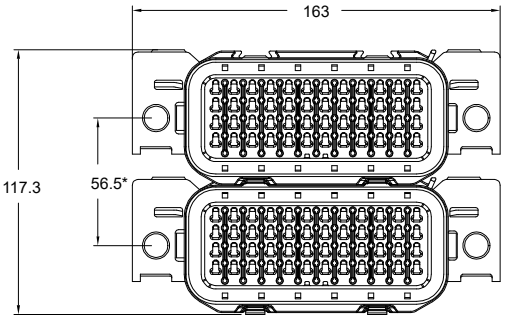


Scan this
QR Code

QR Code: 8011



Ganged Units

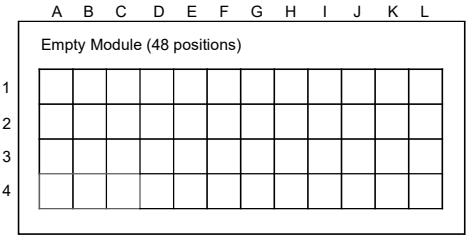


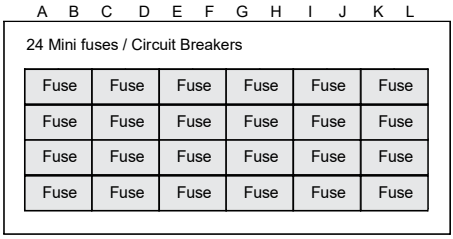
Units are Gangable

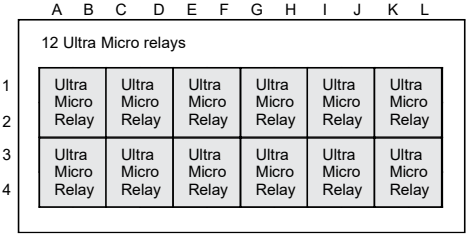
*Dimension increases by 56.5mm for each additional module

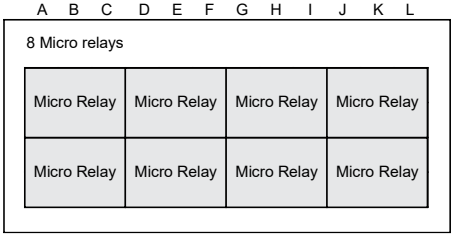
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Web: www.prolecproducts.com.au

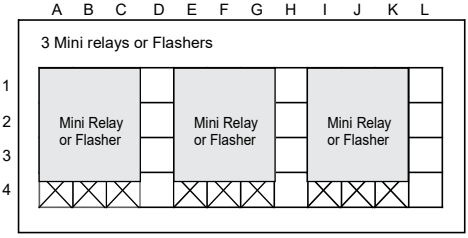
Component Layout Samples

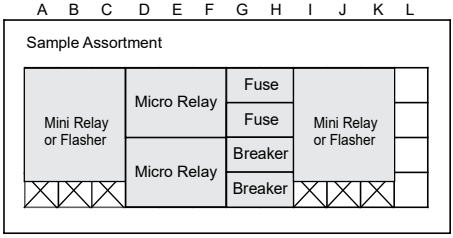












Component information:
1. Fuses, Breakers, diodes etc. use 2 positions (1x2).
2. Ultra Micro Relays used 4 positions (2x2).
3. Micro Relays use 6 positions (3x2).

Mini Relays & Flasher Relays:
1. Cannot be fitted directly beside each other.
2. Maximum of 3 can be fitted.
3. Each one covers 12 positions.

☒ Unusable position
☐ Empty position

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