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 / 0.35mm^2 - 5mm^2
Cavity Plugs: Required to fill unused output cavities for ingress protection.
Cable Seals: Please check the overall diameter of your cable before ordering cable seals.
Terminal Tools: Terminal crimping & removal tools available.
Temperature Rating: -40°C to +125°C (Module only)
Not Included: Terminals, cable seals, cavity plugs or mounting screws.
Module does not include any plug-in components such as fuses, circuit breakers, relays etc.
Features: Gang mount feature. Interconnect multiple modules side-by-side. Terminal numbering on rear of base.
Options: Custom labels and kits. **Approvals:** RoHS REACH

72 Way PDM

Top View

Rear View

Part Number	Description	
PDM-S3AC1	PDM Housing 72 Pos, Seal, Cover & 2x Mtg. Clips	
PDM-SCT	PDM Tether Black Flexible (110mm - 160mm)	
PDM-ST1	TPA Terminal Position Assurance, 6pcs Required	
PDM-TK	Diode Key Red Nylon. Drops into PDM Base Slots	
12084201	Tanged Terminal Female (#22-20AWG), 0.35 - 0.5mm^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	■

TPA: PDM-ST1
Secures 12 Positions

TETHER: PDM-SCT
Links Cover with Base
(Fitting help on page 3)

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, Transorbs, Diodes, Shunts & Diode Key

ISO 280 Relays Ultra Micro, Micro & Mini. 12VDC & 24VDC.
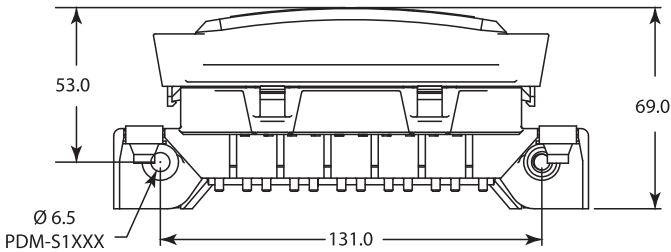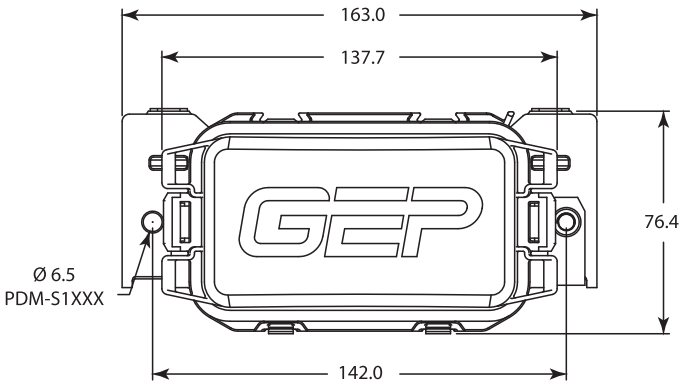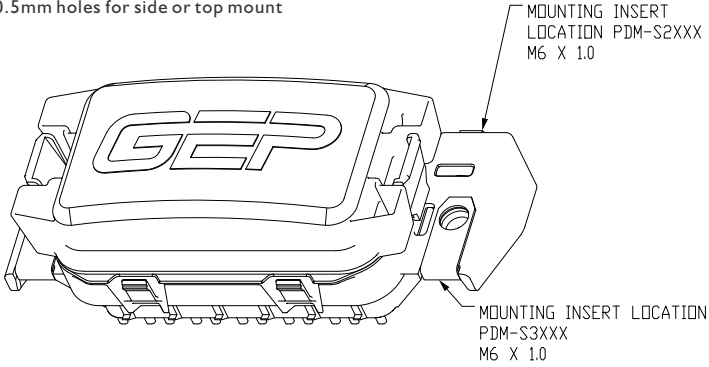
Terminal, Seal & Plug Kits.
TERMKIT003

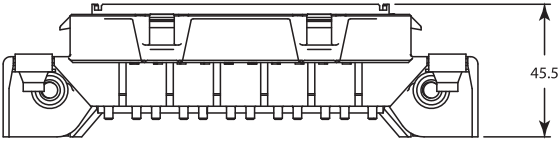**Tanged Cables, Jumpers, Splice Connectors,**

Crimping Tools & Terminal Removal Tool.

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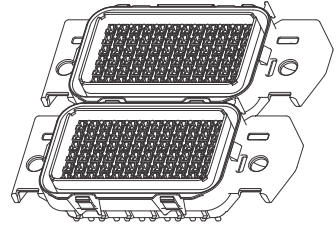| Series P/N	Mounting Configuration
PDM-S1xxx	6.5mm holes for side or top mount
PDM-S2xxx	Side mount with threaded insert
PDM-S3xxx	Top mount with threaded insert
PDM-S4xxx	10.5mm holes for side or top mount

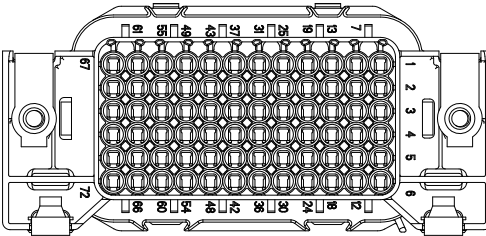MOUNTING INSERT
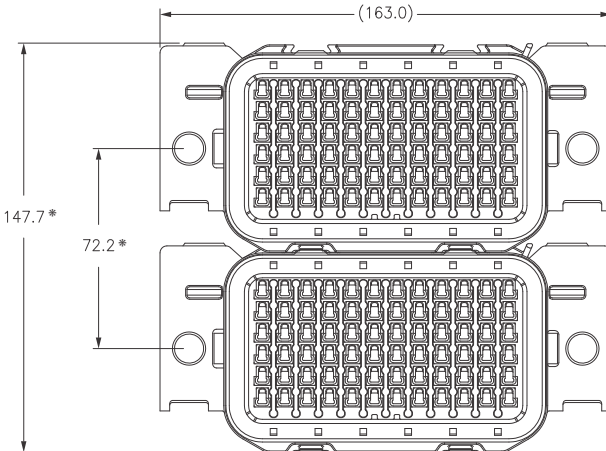LOCATION PDM-S2XXX
M6 X 1.0

MOUNTING INSERT LOCATION
PDM-S3XXX
M6 X 1.0

163.0

137.7

76.4

Ø 6.5
PDM-S1XXX

142.0

53.0

69.0

Ø 6.5
PDM-S1XXX

131.0

Dimensions in MM

PROLEC

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

45.5

Dimensions in MM

Terminal Numbering

Units are Gangable

Ganged Units

(163.0)

147.7 *

72.2 *

Tether Installation Instructions

Scan this QR Code

QR Code: 8011

*Dimension increases by 72.2mm for each additional module

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Component Layout Samples

Empty Module (72 positions)

	A	B	C	D	E	F	G	H	I	J	K	L
1												
2												
3												
4												
5												
6												

36 Mini fuses / Circuit Breakers

	A B	C D	E F	G H	I J	K L
1	Fuse	Fuse	Fuse	Fuse	Fuse	Fuse
2	Fuse	Fuse	Fuse	Fuse	Fuse	Fuse
3	Fuse	Fuse	Fuse	Fuse	Fuse	Fuse
4	Fuse	Fuse	Fuse	Fuse	Fuse	Fuse
5	Fuse	Fuse	Fuse	Fuse	Fuse	Fuse
6	Fuse	Fuse	Fuse	Fuse	Fuse	Fuse

18 Ultra Micro relays

	A B	C D	E F	G H	I J	K L
1,2	Ultra Micro Relay	Ultra Micro Relay	Ultra Micro Relay	Ultra Micro Relay	Ultra Micro Relay	Ultra Micro Relay
3,4	Ultra Micro Relay	Ultra Micro Relay	Ultra Micro Relay	Ultra Micro Relay	Ultra Micro Relay	Ultra Micro Relay
5,6	Ultra Micro Relay	Ultra Micro Relay	Ultra Micro Relay	Ultra Micro Relay	Ultra Micro Relay	Ultra Micro Relay

12 Micro relays

	A B C	D E F	G H I	J K L
1,2	Micro Relay	Micro Relay	Micro Relay	Micro Relay
3,4	Micro Relay	Micro Relay	Micro Relay	Micro Relay
5,6	Micro Relay	Micro Relay	Micro Relay	Micro Relay

3 Mini relays or Flashers

	A B C	D	E F G	H	I J K	L
1						
2	Mini Relay or Flasher		Mini Relay or Flasher		Mini Relay or Flasher	
3						
4	☒☒☒		☒☒☒		☒☒☒	
5						
6						

Sample Assortment

	A B C	D E F	G H	I J	K L
1	Mini Relay or Flasher	Micro Relay	Fuse	Mini Relay or Flasher	
2			Fuse		
3		Micro Relay	Breaker		
4	☒☒☒		Breaker	☒☒☒	
5	Micro Relay	Micro Relay	Ultra Micro Relay	Ultra Micro Relay	Fuse
6					Breaker

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

Datasheet: 9034

PROLEC

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