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 / 0.35mm^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: Terminal numbering on rear of base.
Options: Custom labels and kits. **Approvals:** RoHS REACH

96 Way Housing

PDM With Plain Cover

Rear View

Part Number	Description
PDM-U3AC1	PDM Housing 96 Pos, Seal, Cover & 4x M6 Mtg. Clips
PDM-U4AC1	PDM Housing 96 Pos, Seal, Cover & 4 x M10 Mtg. Holes
PDM-SCT	PDM Tether Black Flexible (110mm -160mm)
PDM-UT1	TPA Terminal Position Assurance. 6pcs Required
PDM-TK	Diode Key Red Nylon. Drops into PDM Base Slots
12084201	Tanged Terminal Female (#22-20AWG), 0.35 - 0.5mm^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-UT1
Secures 16 Positions

TETHER: PDM-SCT
Links Cover with Base

ACCESSORIES: Delphi Metri-Pack 280

TERMINALS: TANGED
Female Sealed,
Tin Brass / Tin Plated

CABLE SEALS:
CAVITY PLUG:
Silicone

RELATED PRODUCTS:

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

ISO 280 Relays Ultra Micro, Micro & Mini. 12VDC & 24VDC.
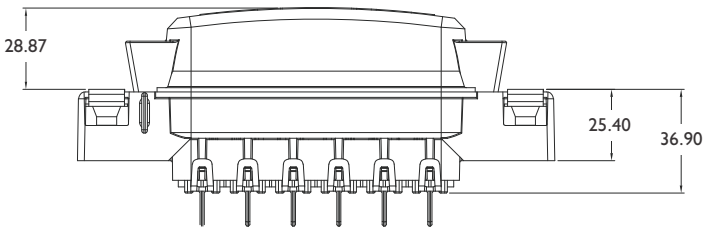
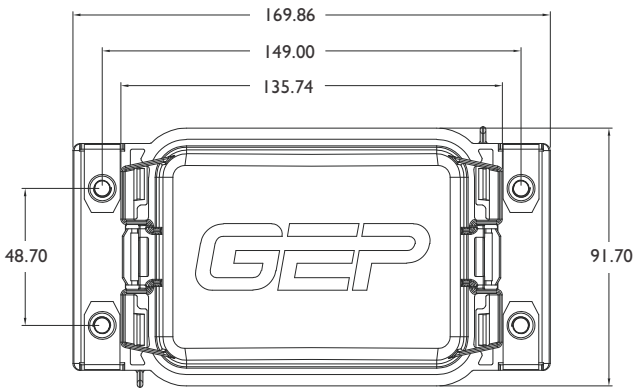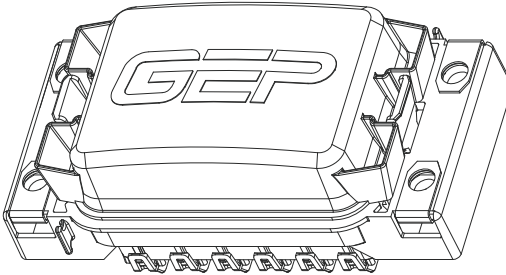**Terminal, Seal & Plug Kits.**
TERMKIT003
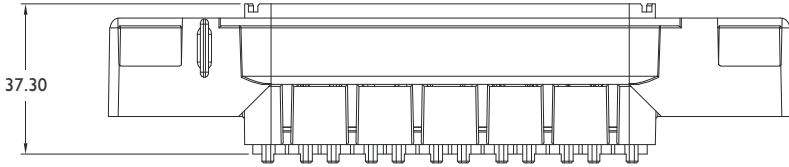
Tanged Cables, Jumpers, Splice Connectors,

Crimping Tools & Terminal Removal Tool.

Series P/N   **Mounting Configuration**

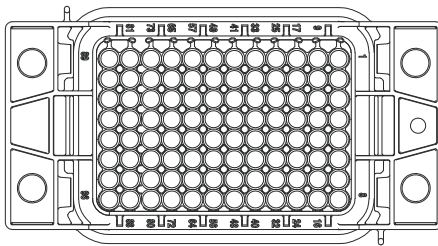| Series P/N	Mounting Configuration
PDM-U1xxx	Top mount with 6mmm holes, no insert
PDM-U2xxx	N/A
PDM-U3xxx	Top mount with 10mm threaded insert
PDM-U4xxx	Top mount with10mm holes, no insert

169.86

149.00

135.74

48.70

91.70

28.87

25.40

36.90

Dimensions in MM

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37.30

Dimensions in MM

Terminal Numbering

Tether Installation Instructions

**Scan this
QR Code**

QR Code: 8011

PROLEC

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

Component Layout Samples

Empty Module (96 positions)

	A	B	C	D	E	F	G	H	I	J	K	L
1												
2												
3												
4												
5												
6												
7												
8												

48 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
7	Fuse	Fuse	Fuse	Fuse	Fuse	Fuse
8	Fuse	Fuse	Fuse	Fuse	Fuse	Fuse

24 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
7-8	Ultra Micro Relay	Ultra Micro Relay	Ultra Micro Relay	Ultra Micro Relay	Ultra Micro Relay	Ultra Micro Relay

16 Micro relays

	A-C	D-F	G-I	J-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
7-8	Micro Relay	Micro Relay	Micro Relay	Micro Relay

6 Mini relays or Flashers

	A-C	D	E-G	H	I-K	L
1						
2-3	Mini Relay or Flasher		Mini Relay or Flasher		Mini Relay or Flasher	
4	XXXX				XXXX	
5						
6-7	Mini Relay or Flasher		Mini Relay or Flasher		Mini Relay or Flasher	
8	XXXX		XXXX		XXXX	

Sample Assortment

	A-C	D-F	G	H-I	J	K-L
1	Micro Relay	Fuse				
2		Fuse	Mini Relay or Flasher		Mini Relay or Flasher	
3	Micro Relay	Breaker				
4		Breaker	XXXX		XXXX	
5	Micro Relay	Ultra Micro Relay	Ultra Micro Relay	Fuse		
6				Breaker	Micro Relay	
7	Micro Relay	Fuse	Fuse	Fuse		
8		Fuse	Fuse	Fuse	Micro Relay	

⊠ Unusable position   ☐ Empty position

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 6 can be fitted.
3. Each one covers 12 positions.