POWER DIST. MODULE SEALED - 72 POSITION

GEP POWER PRODUCTS

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.



72 Way PDM

Voltage Rating: 58VDC **Terminal Rating:** 30A per terminal.
Terminal Capacity: 72 terminals on a layout matrix of (6 x 12).
Components: Accepts Mini fuses, Mini bladed circuit breakers, ISO 280 Micro relays and ISO 280 Flashers.
Mounting: Top or side mount options. 10.5mm moulded holes. 2 x M6 threaded mounting clips included. They are removable. Inserted for top mount arrangement. Spare part # PDM-TMC.
Housing: Thermoplastic, black PBT Polyester. **Cover Seal:** Silicone.
Ingress Protection Rating: IP66
(Valid when properly installed with cover, cable seals and cavity plugs).
Wire Size: #22 - #10 AWG / 0.35mm² - 5mm²
Cavity Plugs: Required to fill unused output cavities for ingress protection.
Cable Seals: Please check the overall diameter of your cable before ordering cable seals.
Terminal Tools: Terminal crimping & removal tools available.
Temperature Rating: -40°C to +125°C (Module only)
Not Included: Terminals, cable seals, cavity plugs or mounting screws. Module does not include any plug-in components such as fuses, circuit breakers, relays etc.
Features: Gang mount feature. Interconnect multiple modules side-by-side. Terminal numbering on rear of base.
Options: Custom labels and kits. **Approvals:** RoHS REACH



Top View



Rear View

Part Number	Description
PDM-S3AC1	PDM Housing 72 Pos, Seal, Cover & 2x Mtg. Clips
PDM-SCT	PDM Tether Black Flexible (110mm - 160mm)
PDM-ST1	TPA Terminal Position Assurance, 6pcs Required
PDM-TK	Diode Key Red Nylon. Drops into PDM Base Slots
12084201	Tanged Terminal Female (#22-20AWG), 0.35 - 0.5mm²
12077411	Tanged Terminal Female (#18-16AWG), 0.80 - 1.0mm²
12129493	Tanged Terminal Female (#14-12AWG), 2.0 - 3.0mm²
12077413	Tanged Terminal Female (#10AWG), 5.0mm²
15324983	Cable Seal, 1.70 - 1.29mm Cable Diameter Dark Red
15324982	Cable Seal, 2.85 - 2.03mm Cable Diameter Green
15324980	Cable Seal, 3.49 - 2.81mm Cable Diameter Grey
15324981	Cable Seal, 4.30 - 3.45mm Cable Diameter Blue
12010300	Cavity Plug, 6.7mm Cavity inside Diameter Green
PDM-BB12	Insulated Busbar 12 Position, 2.8mm Terminals NEW



TPA: PDM-ST1
Secures 12 Positions



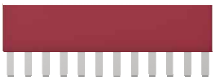
TETHER: PDM-SCT
Links Cover with Base

COMING SOON 4 x Auto Fuse + 60 Position PDM Housing

MOUNTING CLIP:
PDM-TMC



BUSBAR
12 Position



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

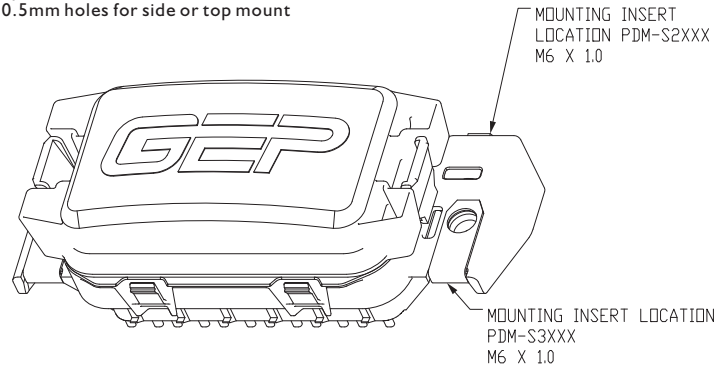


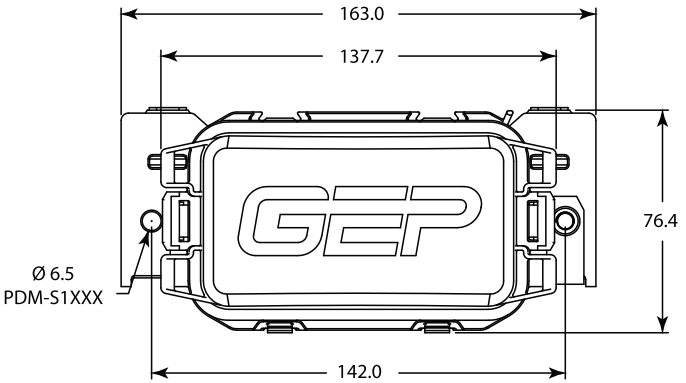
Tanged Cables, Jumpers, Splice Connectors,

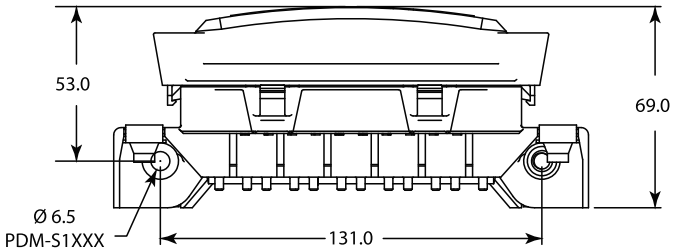


Crimping Tools & Terminal Removal Tool.

Series P/N	Mounting Configuration
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

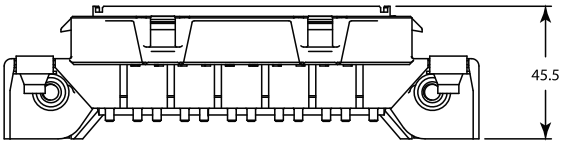






Dimensions in MM

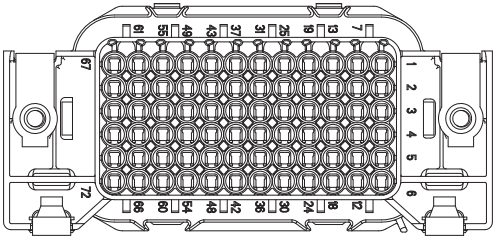
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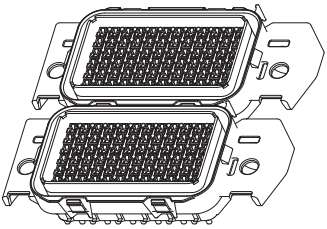


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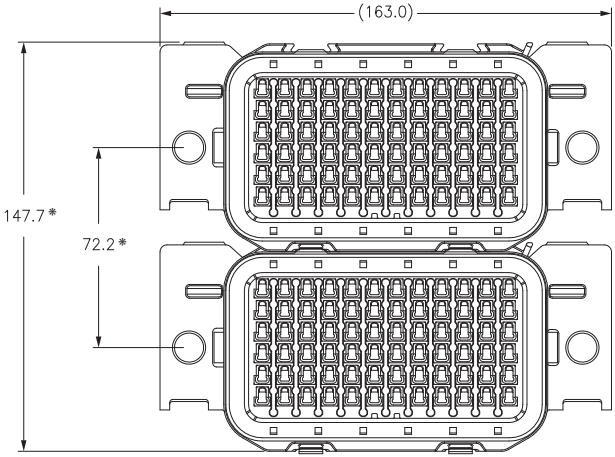
Terminal Numbering





Units are Gangable

Ganged Units



*Dimension increases by 72.2mm for each additional module

Tether Installation Instructions



Scan this QR Code

QR Code: 8011

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	Ultra Micro Relay		Ultra Micro Relay		Ultra Micro Relay		Ultra Micro Relay		Ultra Micro Relay		Ultra Micro Relay	
2												
3	Ultra Micro Relay		Ultra Micro Relay		Ultra Micro Relay		Ultra Micro Relay		Ultra Micro Relay		Ultra Micro Relay	
4												
5	Ultra Micro Relay		Ultra Micro Relay		Ultra Micro Relay		Ultra Micro Relay		Ultra Micro Relay		Ultra Micro Relay	
6												

12 Micro relays

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

3 Mini relays or Flashers

	A	B	C	D	E	F	G	H	I	J	K	L
1	Mini Relay or Flasher				Mini Relay or Flasher				Mini Relay or Flasher			
2												
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

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