PDM SEALED MODULE - 60 POSITION

Littelfuse

NEW

IP69K IP67

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



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 5mm^2).
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 2. **Notes:** Fuses and relays are not included.

Part Number	Kit Contents
PDMKIT711	Base, Cover, 6x TPA's, Terminals 60x 12129493, Cable Seals 60x 15324980, Cavity Plugs 10pcs.
PDMKIT712	Base, Cover, 6x TPA's, Pre-terminated Cables 2.0mm^2 x 300mm (30x Red & 30x Blue), Pre-terminated Jumper Cables 2.0mm^2 x 90mm (5x Red), 60x Splice Connectors & 10x Cavity Plugs.

Part Number	Description
PDM71003ZXM	Base, AssureLatch Cover with Gasket and 6 x TPA's.



NEW

Extended cover clips.
Finger release.

PDM Module Kits - see page 2.

PDMKIT711
Loose Terminals Kit



PDMKIT712
Terminated Cables Kit



Optional Accessories - see pages 2 - 4.

Add these parts to complete your installation.



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



ISO 280 Ultra Micro Relays, ISO 280 Micro Relays, ISO 280 Mini Relays & Flashers.



Pre-Terminated Cables, Terminals, Cable Seals, Cavity Plugs, etc.

POWER DISTRIBUTION MODULE KITS

Littelfuse

60 Position Module with Terminals & Cable Seals

Part Number
PDMKIT711

Kit Contents:
- PDM71003ZXM block with cover & secondary locks
- 60 x terminals (2.0 - 3.0mm^2).
- 60 x cable seals (2.81 - 3.49mm dia. cable).
- 10 x cavity plugs



60 Position Module with Pre-Terminated Cables

Part Number
PDMKIT712

Kit Contents:
- PDM71003ZXM block with cover & secondary locks
- 60 x pre-terminated 2mm^2 cables with seals, 300mm length
- 3 x jumper cables 2mm^2 cables with seals, 90mm length
- 10 x cavity plugs
- 60 x butt connectors



TERMINAL TOOLS

PROLEC

Terminal Crimp Tool

Part Number	Description
CT-P78	Delphi Metri-Pack 280 & Tyco AMP MCP 2.8 terminals.



Need help using this crimp tool?
Scan the QR code to view instructions.

Scan this QR Code for more information

QR Code: 8001

Terminal Removal Tool

Part Number	Description
12094429	Extracts Delphi Metri-Pack 280 terminals & other types.



Search these part numbers on our website for datasheets.

Minifuse 32VDC

Part Number	Ampere Rating
MIN002	2A
MIN003	3A
MIN004	4A
MIN005	5A
MIN07.5	7.5A
MIN010	10A
MIN015	15A
MIN020	20A
MIN025	25A
MIN030	30A



Minifuse 32VDC (Indicating)

Part Number	Ampere Rating
MIND003-32V	3A
MIND005-32V	5A
MIND07.5-32V	7.5A
MIND010-32V	10A
MIND015-32V	15A
MIND020-32V	20A
MIND025-32V	25A
MIND030-32V	30A



Minifuse 32VDC Assortment

Part Number	
MINI-KIT2	35 Piece fuse kit assortment.

This fuse kit contains;

MIN005 x 5pcs
MIN07.5 x 5pcs
MIN010 x 5pcs
MIN015 x 5pcs
MIN020 x 5pcs
MIN025 x 5pcs
MIN030 x 5pcs



Minifuse 58VDC

Part Number	Ampere Rating
MIN002-58V	2A
MIN003-58V	3A
MIN004-58V	4A
MIN005-58V	5A
MIN07.5-58V	7.5A
MIN010-58V	10A
MIN015-58V	15A
MIN020-58V	20A
MIN025-58V	25A
MIN030-58V	30A



Mcase Unslotted 32VDC

2.8mm Term.

Part Number	Ampere Rating
MJC015	15A
MJC020	20A
MJC025	25A
MJC030	30A
MJC040	40A



Circuit Breaker 14VDC (Auto Reset)

14VDC Automatic TI Part Number	Ampere Rating
21105-00	5A
21175-00	7.5A
21110-00	10A
21115-00	15A
21120-00	20A
21125-00	25A
21130-00	30A



Circuit Breaker 14VDC (Modified Reset)

Modified TII Part Number	Ampere Rating
21205-00	5A
21275-00	7.5A
21210-00	10A
21215-00	15A
21220-00	20A
21225-00	25A
21230-00	30A



Circuit Breaker 28VDC (Manual Reset)

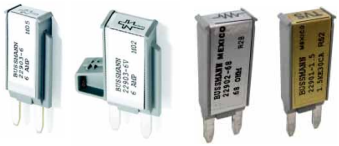
Manual TIII Part Number	Ampere Rating
23305-00	5A
23375-00	7.5A
23310-00	10A
23315-00	15A
23320-00	20A
23325-00	25A
23330-00	30A



Mini Devices

Part Number	Description
02400104P	Diode
22903-6	Diode
22903-6V	Diode
22901-1.5	Transorb
22902-68	Resistor





NEW

Mcase Fuse Adaptor

Converts Mcase to Minifuse
(# 875-584)



Search these part numbers on our website for datasheets.

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

ISO 280 RELAYS & FLASHERS

Ultra Micro Relays (ISO 280)

Part Number	Description
3031AHCR112	12V Normally Open 4 pin (SPST)
3031AHCR124	24V Normally Open 4 pin (SPST)



Search these part numbers on our website for datasheets.

Mini Relays (ISO 280)

Part Number	Description
898H1AHCR112	12V Normally Open 4 pin (SPST)
898H1CHCR112	12V Change Over 5 pin (SPDT)
898H1AHCR124	24V Normally Open 4 pin (SPST)
898H1CHCR124	24V Change Over 5 pin (SPDT)



Micro Relays (ISO 280)

Part Number	Description
3011ACR112	12V Normally Open 4 pin (SPST)
3011ACR124	24V Normally Open 4 pin (SPST)
3011CCR112	12V Change Over 5 pin (SPDT)
3011CCR124	24V Change Over 5 pin (SPDT)



Flasher Relays (ISO 280)

Part Number	Terminals	Nbr. Bulbs / Type
NO-762-LED	2.8mm x 4	2 to 6 / LED
NO.761	2.8mm x 3	2 to 4 / Standard
NO.762	2.8mm x 4	3 to 6 / Standard



TERMINALS, CABLE SEALS & CAVITY PLUG

Delphi Metri-Pack 280 Accessories

TERMINALS: TANGED
Female sealed - Tin Brass /Tin plated



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

CABLE SEALS:
Silicone



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

CAVITY PLUG:
Silicone



Part Number
12010300

PRE-ASSEMBLED CABLES & BUTT SPLICE CONNECTOR

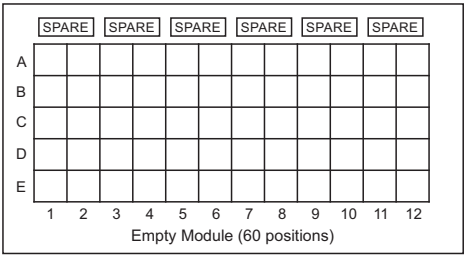
Packard 280 Metri-Pack Female Sealed Tanged Terminal

Part Number	Description	Colour	Wire Size (mm^2)	Wire Length (mm)	Pack Qty
CAB2.0X300TS1T	Output Cable	Red	1.84	305	10
CAB2.0X300TS2T	Output Cable	Blue	1.84	305	10
CAB2.0X85TS1TJ	Jumper Cable	Red	1.84	90	1
19164-0044	Butt Connector	Blue	1.0 to 2.0	N/A	10

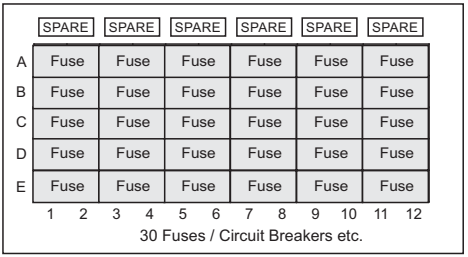


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Web: www.prolecproducts.com.au

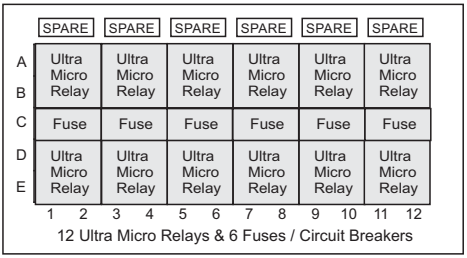
Component Layout Samples



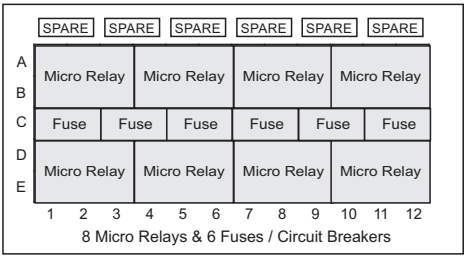
Empty Module (60 positions)



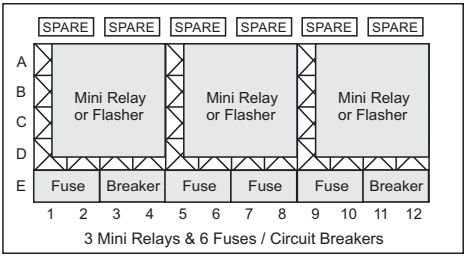
30 Fuses / Circuit Breakers etc.



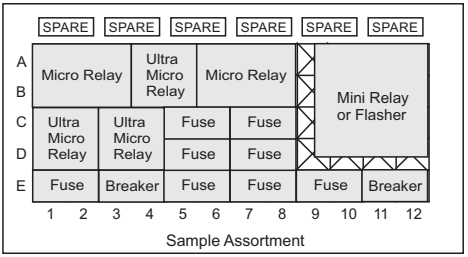
12 Ultra Micro Relays & 6 Fuses / Circuit Breakers



8 Micro Relays & 6 Fuses / Circuit Breakers



3 Mini Relays & 6 Fuses / Circuit Breakers



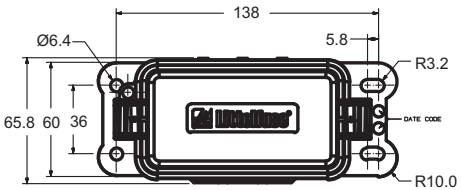
Sample Assortment

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).

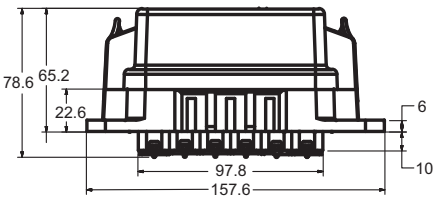
Mini Relays & Flasher Relays:
1. Cannot be fitted directly beside each other.
2. Maximum of 3 can be fitted.
3. Overlap 16 positions on the block.

☒ Unusable position ☐ Empty position





Dimensions in MM



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