

PDM SEALED MODULE - 60 POSITION



NEW

IP69K IP67

The Littelfuse HWB60-AL (Assured Latch) features 60 open positions with no internal bussing. It is designed for use with 280 style components i.e. Mini fuses, Mini Circuit Breakers, Mini Diodes / Resistors, Ultra Micro 280 Relays, Micro 280 Relays, Mini 280 Relays, 280 Flashers.

- Terminal Capacity:** 60 terminals on a layout matrix of (5 x 12).
- Terminal Rating:** 30A max per terminal.
- Maximum Fuse Rating:** 30A
- Maximum Total Continuous Current:** 250A
- Voltage Rating:** 58VDC Max.
- Wire Size:** #22 - #10 AWG (0.35 to 5mm²).
- 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 185-186. **Notes:** Fuses and relays are not included.

Part Number	PDM Kit Description:
PDMKIT711	Module, Terminals (60 x 12129493), Cable Seals (60 x 15324980) and Plugs (10 x 12010300).
PDMKIT712	Module, Pre-terminated Cables 2.0 x 300mm (30pcs x Red & 30pcs x Blue), Pre-terminated Jumpers Red (5pcs), Butt Connectors (60pcs) & Cavity Plugs (10pcs).

Part Number	Description
PDM71003ZXM	PDM Module Base, Cover and 6 x TPA's. No accessories.



NEW

Extended cover clips. Fuse 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.**

60 Position Module with Terminals & Cable Seals

Part Number
PDMKIT711

Kit Contents:

- PDM71003ZXM block with cover & secondary locks
- 60 x terminals (2.0 - 3.0mm²).
- 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 2mm² cables with seals, 300mm length
- 3 x jumper cables
- 10 x cavity plugs
- 60 x butt connectors



TERMINAL TOOLS



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
I2094429 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	Description
MINI-KIT2	35 Piece fuse kit assortment.

This fuse kit contains;

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



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



Circuit Breaker (Automatic Reset)

14VDC

Automatic TII

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



Circuit Breaker (Modified Reset)

14VDC

Modified TII

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



Circuit Breaker (Manual Reset)

28VDC

Manual TIII

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



Mini Diodes

Part Number	Description
02400104P	Diode
22903-6	Diode
22903-6V	Diode



Mini Devices

Part Number	Product
22901-1.5	Transorb
22902-68	Resistor



Search these part numbers on our website for datasheets.

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.

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)



Mini Relays (ISO 280)

Part Number	Description
898H1AHCR112	12V Normally Open 4 pin (SPST)
898H1HCR112	12V Change Over 5 pin (SPDT)

898H1AHCR124	24V Normally Open 4 pin (SPST)
898H1HCR124	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

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

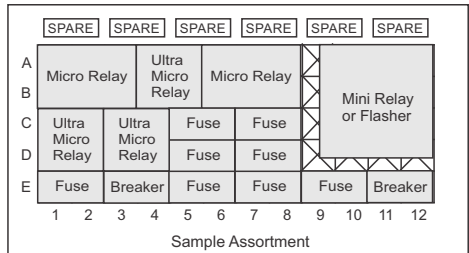
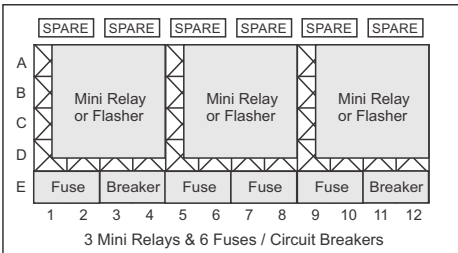
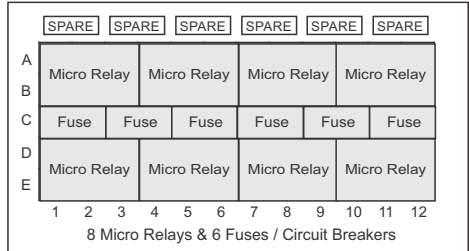
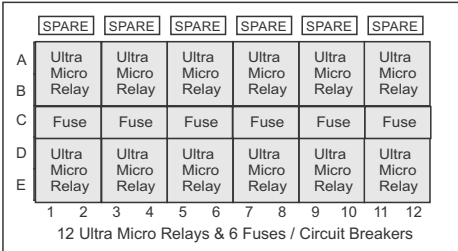
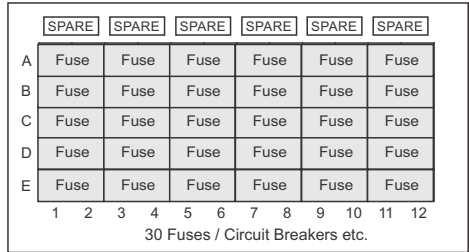
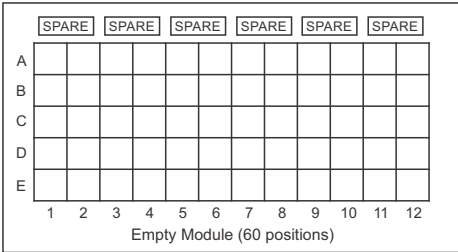
PROLEC

Packard 280 Metri-Pack Female Sealed Tanged Terminal

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



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. Overlap 16 positions on the block.

- Unusable position
- Empty position

