

# POWER DIST. MODULE SEALED - 18 POSITION



**IP69K IP67**

The HWB 18 series is an 18 position power distribution module providing a compact, durable and sealed power distribution solution. This unit is designed for 280 style components such as mini blade fuses, circuit breakers, relays, diodes etc. with 2.8mm blades on 8.1mm centerline spacing.

**PDM Module Kit Contents:** Module kit includes cover, cover seal, base, mounting bracket 30° angled and 3 secondary terminal locks (TPA's).

**Accessory Components:** Terminals, cable seals & cavity plugs, mini fuses, mini blade circuit breakers, Ultra micro 280 & Micro 280 relays.

**Terminal Capacity:** 18 terminals on a layout matrix of (3 x 6).

**Terminal Rating:** 30A max per terminal. **Maximum Fuse Rating:** 30A

**Maximum Total Continuous Current:** 100A @ 23°C, 70A @ 85°C

**Voltage Rating:** 58VDC Max. **Temperature Rating:** -40°C to +105°C.

**Body & Cover:** Black UL 94V-0 glass filled thermoplastic.

**Body Seal:** Silicone.

**Mounting Bracket:** Plated steel - 30° angled (standard).

**Ingress Protection Rating:** IP67 / IP69K when cover, cable seals and cavity plugs are installed.

**Wire Size:** #22 - #10 AWG (0.35 to 5mm<sup>2</sup>).

**Cavity Plug:** Required to fill unused output cavities for ingress protection.

**Cable Seals:** Please check the overall diameter of your cable before ordering cable seals.

**Terminals:** Delphi Metri-Pack 280 Female Sealed TANGED.

**Terminal Tools:** Terminal crimping & removal tools see page 185-186.



**PDM31001ZX Module**

Part Number	Kit Description
PDMKIT311	Kit - Module Base, Cover, 30° Bracket, 3.0mm <sup>2</sup> Terminals, Cable Seals, Cavity Plugs & TPAs.
PDMKIT312	Kit - Module Base, Cover, 30° Bracket, 2.0mm <sup>2</sup> Pre-terminated Cables, 2.0mm Jumpers & TPAs.

Part Number	Description
PDM31001ZXM	PDM Module Base, Cover, 30° Angled Bracket.
868-068	30° Angled Bracket (Spare Part).

## **NEW** Module Kits - see page 2.

**PDMKIT311**  
Loose  
Terminals  
Kit



**PDMKIT312**  
Terminated  
Cables  
Kit



## Optional Accessories - see pages 3 - 5.

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.  
12VDC or 24VDC.**



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

# POWER DISTRIBUTION MODULE KITS

## 18 Position Module with Terminals & Cable Seals

Part Number  
PDMKIT311

Kit Contents:

- block with cover & secondary locks
- 20 x terminals (2.0 - 3.0mm<sup>2</sup>).
- 20 x cable seals (2.81 - 3.49mm dia. cable).
- 4 x cavity plugs
- 1 x mounting bracket



**PDMKIT311 (Terminal Kit)**

## 18 Position Module with Pre-Terminated Cables

Part Number  
PDMKIT312

Kit Contents:

- block with cover & secondary locks
- 18 x pre-terminated 2mm<sup>2</sup> cables with seals, 300mm length
- 3 x jumper cables
- 4 x cavity plugs
- 18 x butt connectors
- 1 x mounting bracket



**PDMKIT312 (Cable Kit)**

## 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.
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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 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 (Modified Reset)

### 14VDC

#### 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 (Manual Reset)

### 28VDC

#### 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 Diodes

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



## Mini Devices

Part Number	Product
22901-1.5	Transorb
22902-68	Resistor



## PLUG-IN COMPONENTS - cont'd

### 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)



## TERMINALS, CABLE SEALS & CAVITY PLUG

### Delphi Metri-Pack 280 Accessories

#### TERMINALS: TANGED

Female sealed - Tin Brass /Tin plated



Part Number	Wire (AWG)	Wire (mm <sup>2</sup> )
I2084201	#22 - #20	0.35 - 0.5
I2077411	#18 - #16	0.80 - 1.0
I2129493	#14 - #12	2.0 - 3.0
I2077413	#10	5.0

#### CABLE SEALS:

Silicone



Part Number	Cable Dia. (mm)	Colour
I5324983	1.70 - 1.29	Dark Red
I5324982	2.85 - 2.03	Green
I5324980	3.49 - 2.81	Grey
I5324981	4.30 - 3.45	Blue

#### CAVITY PLUG:

Silicone



Part Number
I2010300

## PRE-ASSEMBLED CABLES & BUTT SPlice CONNECTOR

### Packard 280 Metri-Pack Female Sealed Tanged Terminal

Part Number	Description	Colour	Wire Size (mm <sup>2</sup> )	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
I9164-0044	Butt Connector	Blue	1.0 to 2.0	N/A	10



# TERMINAL TOOLS

## Terminal Crimp Tool

**Part Number** CT-P78  
**Description** 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** I2094429  
**Description** Extracts Delphi Metri-Pack 280 terminals & other types.

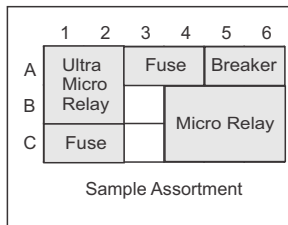
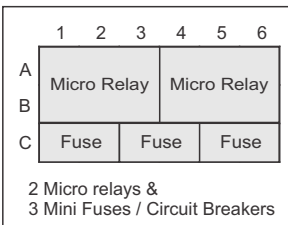
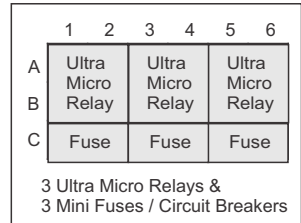
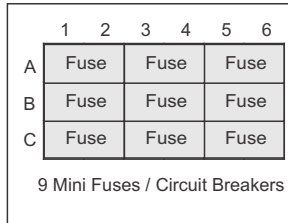
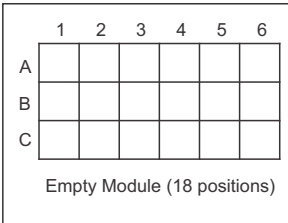


Search these part numbers on our website for datasheets.

# MODULE SPECIFICATIONS

Littelfuse  
 HWB18 Series

## Component Layout Samples



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).
4. Mini relays do NOT fit into this unit.
5. Flashers do NOT fit into this unit.

**Product Dimensions**

