

# POWER DISTRIBUTION MODULE - 8 POSITION - SEALED

Bussmann

IP66

This module can be fitted with a mixture of 280 style components such as Mini fuses, mini circuit breakers, mini diodes, mini resistors and ISO 280 relays. It's compact size means it can be installed anywhere thereby eliminating excessive wiring in harnesses.

**Voltage:** 32V

**Rating:** 120A max\* (100A when following SAE guidelines)

Combined maximum current of positions 1 & 2 is 60A for fuses / 30A for circuit breakers. The same applies for positions 3 & 4.

Module is rated 50A max when fitted with an ISO 280 micro relay.

**Module Contents:** Module includes cover, base with seal & bracket.

**Terminal Capacity:** 8 terminals on a layout matrix of (2 x 4).

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

**Temperature:** -40°C to +125°C

**Cover:** 94V0 Clear Polycarbonate. Short or tall cover options.

**Body:** 94V0 Thermoplastic. Black, other colour options available.

**Side Bracket Standard:** Zinc plated steel w/ chromate finish.

**Bracket Options:** End bracket or plastic pin, contact sales.

**Ingress Protection Rating:** IP66 (Valid when properly installed with cover, cable seals and cavity plugs).

**Cavity Plugs:** Required to fill unused output cavities for ingress protection. Silicone material.

**Cable Seals:** Please check the overall diameter of your cable before ordering cable seals. Silicone material UL94-V0

**Terminal Tools:** Terminal crimping & removal tools page I44.

**Pack Size:** 1, 10, 100

**Notes:** \*Please contact sales for max amperage guidelines. Fuses, circuit breakers and relays are optional extras.



**CFH-ASS**  
(Short Cover)



**CFH-ALS**  
(Tall Cover)



Part Number	Description
PDMKITALS1	Kit - Tall Cover*, Body, Side Bracket, 8 x Terminals, 8 x Seals, 4 x Plugs & TPA.
PDMKITASS1	Kit - Short Cover, Body, Side Bracket, 8 x Terminals, 8 x Seals, 4 x Plugs & TPA.
CFH-ALS	Body, Side Bracket & Tall Cover* - No Terminals, Cables or Seals.
CFH-ASS	Body, Side Bracket & Short Cover - No Terminals, Cables or Seals.

**NEW**  
**NEW**

**Note:** \*Tall cover is required when fitting relays & breakers.

## PDM Module Kits - see page 2.

### PDMKITALS1

Loose  
Terminals  
Kit



### PDMKITASS1

Terminated  
Cables  
Kit



## Optional Accessories - see pages 3 & 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.**



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

## 8 Position Module with Tall Cover & Terminal Kit

Part Number  
PDMKITALS1

**Kit Contents:**

- CFH-ALS block with cover, bracket & secondary lock
- 8 x terminals (2.0 - 3.0mm<sup>2</sup>).
- 8 x cable seals (2.81 - 3.49mm dia. cable).
- 4 x cavity plugs

**Note:** Tall cover is required when fitting relays & breakers.



**PDMKITALS1  
Tall Cover Kit**

## 8 Position Module with Short Cover & Terminal Kit

Part Number  
PDMKITASS1

**Kit Contents:**

- CFH-ALS block with cover, bracket & secondary lock
- 8 x terminals (2.0 - 3.0mm<sup>2</sup>).
- 8 x cable seals (2.81 - 3.49mm dia. cable).
- 4 x cavity plugs



**PDMKITASS1  
Short Cover Kit**

### Optional Accessories - see page 4.



**Terminal Crimp Tool.  
Terminal Extractor.**



**Pre-Terminated Cables.  
Cable Joiners.**



**Terminals.  
Cable Seals.  
Cavity Plugs.**

## 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



## Circuit Breaker (Automatic Reset)

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



## Circuit Breaker (Modified Reset)

14VDC Modified TII		Ampere Rating
Part Number	Rating	
21205-00	5A	
21275-00	7.5A	
21210-00	10A	
21215-00	15A	
21220-00	20A	
21225-00	25A	
21230-00	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



## Circuit Breaker (Manual Reset)

28VDC Manual TIII		Ampere Rating
Part Number	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	Product
22901-1.5	Transorb
22902-68	Resistor



## Mini Diodes

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



## 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 & SECONDARY LOCK

## 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

Part Number	Description
32006-TP2	Secondary Lock (TPA) Secures Terminals in Connector.



Secondary Lock fits to base of the connector.

## 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

Prolec

### Terminal Crimp Tool

Part Number	Description
CRIMPER-03	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

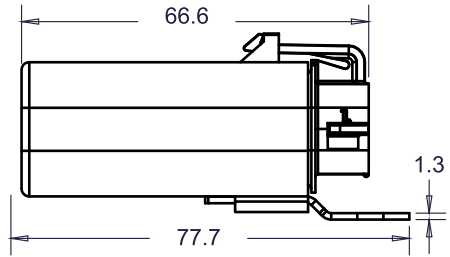
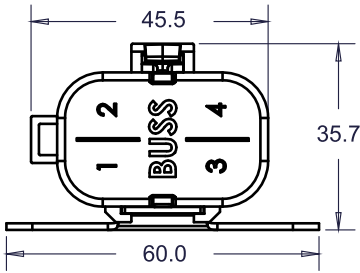
### Terminal Removal Tool

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

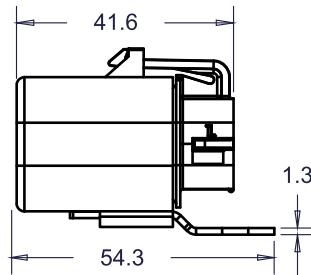
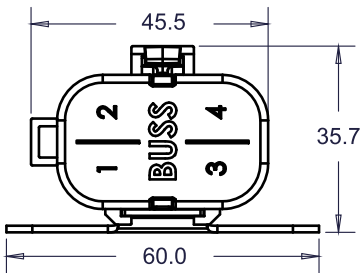


Search these part numbers on our website for datasheets.

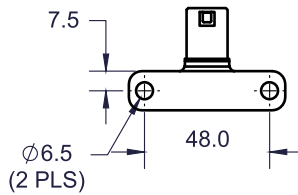
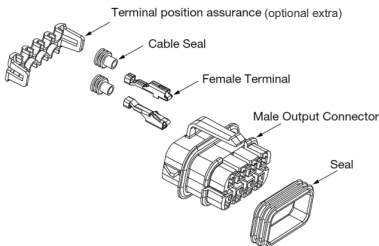
**CFH-ALS (Long cover)**



**CFH-ASS (Short cover)**



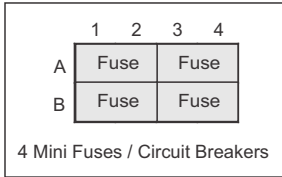
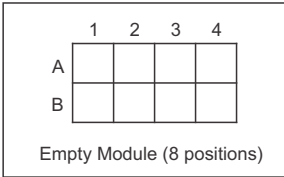
Dimensions in MM



FOR MOUNTING PURPOSE  
SIDE BRACKET

**Component Layout Samples (CFH-ASS)**

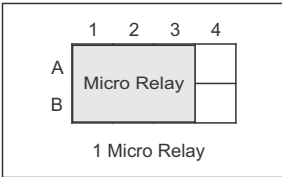
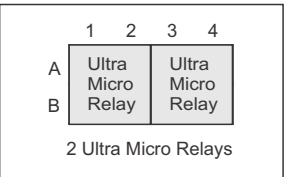
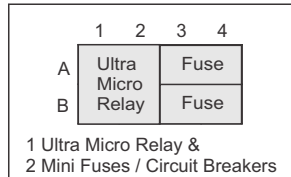
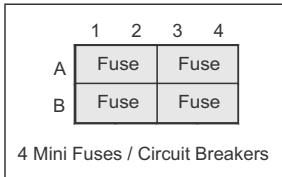
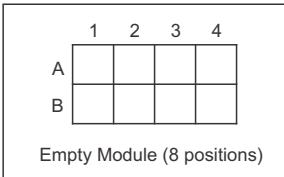
Short cover allows only short components to be fitted i.e. Mini fuses, diodes, resistors etc.



Empty position

**Component Layout Samples (CFH-ALS)**

Tall cover allows circuit breakers and relays to also be fitted.



Empty position

**Component Loading Options:**

- 4 x Mini fuses or Mini Blade circuit breakers or combination.
- 2 x ISO 280 Ultra Micro Relays (4 pin only).
- 1 x ISO 280 Micro Relay (4 or 5 pin).
- 2 x Mini fuses or Mini Blade circuit breakers or combination & 1 x ISO 280 Ultra Micro Relay (4 pin only).

**Note:** \*Tall cover is required when fitting relays & breakers.



**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.