POWER DIST. MODULE SEALED - 8 POSITION

EATON 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.



PDMKITALS1, Tall Cover PDM Kit

Voltage: 32V **Temperature:** -40°C to +125°C
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.
*Please contact sales for max amperage guidelines
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.
Cover: 94V0 Clear Polycarbonate. Short or tall cover options.
Base: 94V0 Thermoplastic. Black is standard.
Base Colour Options: Contact sales.
Bracket Option: Side B028-7013, End B028-7015, Pin B028-7016.
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 UL94-V0.
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 185-186.
Notes: Fuses, circuit breakers and relays are optional extras.



Mini Fuses Installed



Ultra Micro Relay, Mini Fuse & Breaker

Part Number	Kit Contents:	
PDMKITALS1	Tall Cover*, Base, Side Bracket, 8 x 3.0mm² Terminals, 8 x Seals, 4 x Plugs & TPA	NEW
PDMKITASS1	Short Cover, Base, Side Bracket, 8 x 3.0mm² Terminals, 8 x Seals, 4 x Plugs & TPA	NEW

Part Number	Description	
CFH-ALS	Tall Clear Cover*, Base and Side Bracket	
CFH-ALE	Tall Clear Cover*, Base and End Bracket	NEW
CFH-ASS	Short Clear Cover, Base and Side Bracket	
CFH-ASE	Short Clear Cover, Base and End Bracket	NEW
12084201	Terminal Female (#22-20AWG), 0.35 - 0.5mm²	
12077411	Terminal Female (#18-16AWG), 0.80 - 1.0mm²	
12129493	Terminal Female (#14-12AWG), 2.0 - 3.0mm²	
12077413	Terminal Female (#10AWG), 5.0mm²	
15324983	Cable Seal Dark Red, 1.70 - 1.29mm Cable Dia.	
15324982	Cable Seal Green, 2.85 - 2.03mm Cable Dia.	
15324980	Cable Seal Grey, 3.49 - 2.81mm Cable Dia.	
15324981	Cable Seal Blue, 4.30 - 3.45mm Cable Dia.	
12010300	Cavity Plug Green, 6.7mm Cavity inside Dia.	
32006-TP2	Secondary Lock (TPA). Secures Terminals.	



PDM Kits (refer page 2)

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

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





Related Products (refer pages 3 & 4)



Side Bracket



Tall Cover Fitted

PROLEC

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

Module with Tall Cover, Side Bracket & Terminal Kit

Part Number
PDMKITALS1

Kit Contents:
- CFH-ALS block with cover, side bracket & secondary lock
- 8 x terminals (2.0 - 3.0mm^2).
- 8 x cable seals (2.81 - 3.49mm dia. cable).
- 4 x cavity plugs

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



Tall Cover
Side Bracket



PDMKITALS1
Tall Cover Kit

Module with Short Cover, Side Bracket & Terminal Kit

Part Number
PDMKITASS1

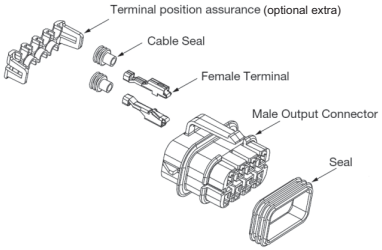
Kit Contents:
- CFH-ALS block with cover, side bracket & secondary lock
- 8 x terminals (2.0 - 3.0mm^2).
- 8 x cable seals (2.81 - 3.49mm dia. cable).
- 4 x cavity plugs



Short Cover
Side Bracket



PDMKITALS1
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



Minifuse 32VDC (Indicating)

Part Number	AmpereRating
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



Mini Devices

Part Number	Product
22901-1.5	Transorb
22902-68	Resistor



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



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^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

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^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



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

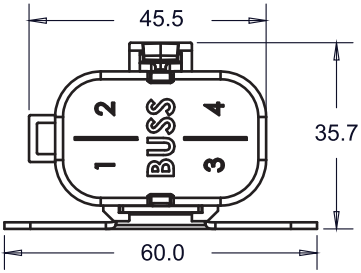
Terminal Removal Tool

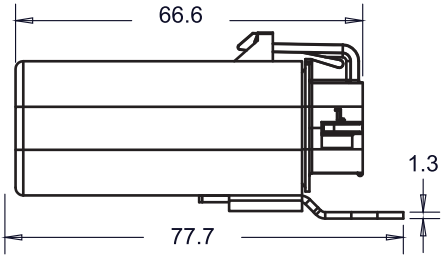
Part Number	Description
12094429	Extracts Delphi Metri-Pack 280 terminals & other types.



Search these part numbers on our website for datasheets.

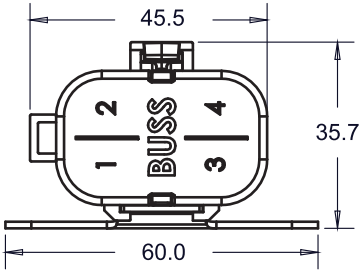
CFH-ALS (Long cover & Side Bracket)

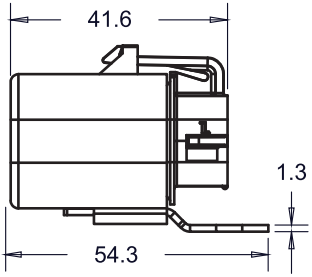


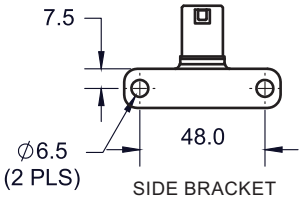


Dimensions in MM

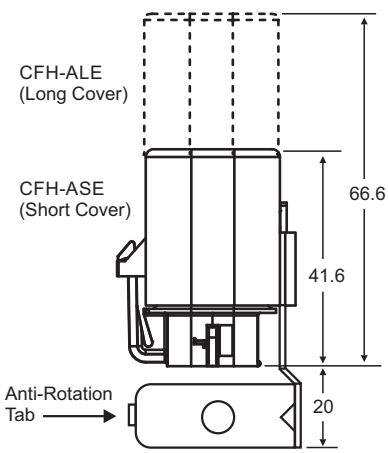
CFH-ASS (Short cover & Side Bracket)



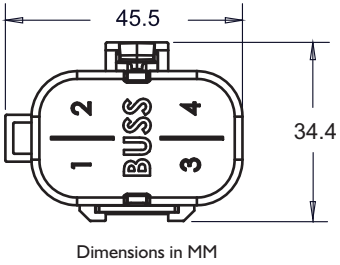




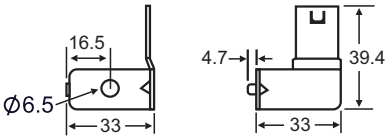
CFH-ALE & CFH-ASE (End Bracket)



END BRACKET



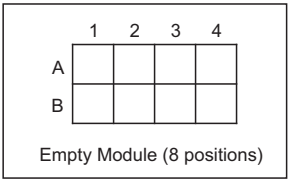
Dimensions in MM



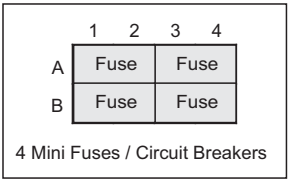
END BRACKET

Component Layout Samples (CFH-ASS)

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



Empty Module (8 positions)

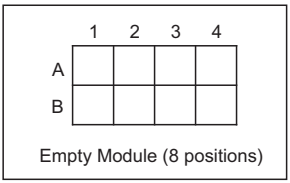


4 Mini Fuses / Circuit Breakers

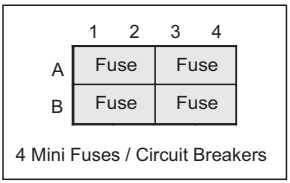
☐ Empty position

Component Layout Samples (CFH-ALS)

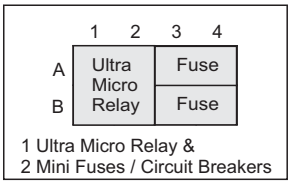
Tall cover allows circuit breakers and relays to also be fitted.



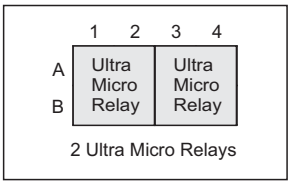
Empty Module (8 positions)



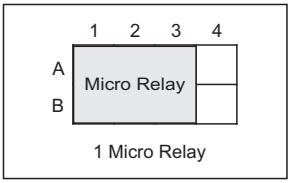
4 Mini Fuses / Circuit Breakers



1 Ultra Micro Relay &
2 Mini Fuses / Circuit Breakers



2 Ultra Micro Relays



1 Micro Relay

☐ 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.