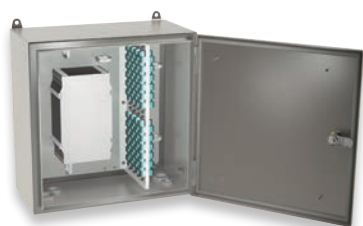


## Harsh Environment Wall Enclosures



FHE-MOD-8PNL-SS  
shown fitted with accessories

AFL's range of Ingress Protected Fibre Harsh Environment 'FHE' wall enclosures are proudly designed and assembled in Australia.

Compatible with a variety of cable types, including loose tube and tight buffered cables, the FHE wall enclosures are suitable for indoor or outdoor harsh environments where protection from moisture and dust is required for fibre optic components.

Enclosure variants are available to suit 'Mid-sheath' or 'Cable Expressing'. This is where one or more fibres are required to pass through an enclosure without cutting and terminating.

### Features and Benefits

- Available in a range of sizes up to 192F
- Patching variants with modular apertures to suit a wide range of flat or angled panels and connector types
- Internal fibre clips for management
- Choice of powder coated steel or 304/316L stainless steel to suit application
- Key lockable for security in the field
- Multiple cable entry arrangement to suit a wide range of applications
- Customisable to suit your application

### Applications

- Fusion splicing of loose tube or tight buffered cables
- Direct termination of tight buffered cables
- Housing fibre optic passive devices
- Building entrance terminals
- Construction or mining sites
- Industrial or roadside harsh environments

### Technical Specifications

PART NUMBER	FHE-MOD-2PNL	FHE-MOD-2PNL-SS	FHE-MOD-8PNL	FHE-MOD-8PNL-SS
Description	2 Modular Panel Small Wall Enclosure – IP55 RAL7035	2 Modular Panel Small Wall Enclosure – IP66 316SS	8 Modular Panel Large Wall Enclosure – IP55 RAL7035	8 Modular Panel Large Wall Enclosure – IP66 316SS
Dimensions (mm) (W) x (H) x (D/D*) D* = Including Brackets & Lock	200 x 300 x 120/137	200 x 300 x 155/170	380 x 380 x 210/227	380 x 380 x 210/226
Incoming/Outgoing Cable Ports in Base:	(FIG.01) 2 x Ø12 mm knockouts 2 x Ø20 mm knockouts 3 x Ø25 mm knockouts	(FIG.02) 2 x Ø20 mm holes with plugs 2 x Ø25 mm holes with plugs	(FIG.04) 3 x Ø16 mm knockouts 5 x Ø20 mm knockouts 4 x Ø25 mm knockouts 2 x Ø32/40 mm knockouts	(FIG.05) 2 x Ø20 mm holes with plugs 2 x Ø25 mm holes with plugs 2 x Ø32 mm holes with plugs
Material: - Enclosure & Door - Backing Plate Assembly	- Mild Steel, 1.25 & 1.5 mm - Mild Steel, 2.0 mm	- Stainless Steel 316L, 1.25 & 1.5 mm - Mild Steel, 2.0 mm	- Mild Steel, 1.38 & 1.5 mm - Mild Steel, 2.0 mm	- Stainless Steel 316L, 1.38 & 1.5 mm - Mild Steel, 2.0 mm
Wall Mounting Brackets	Zinc Galvanised Mild Steel, 10 mm offset from wall			
Finish/Colour	Powder coated/ RAL7035 (textured)	Brushed 400 grain	Powder coated/ RAL7035 (textured)	Brushed 400 grain
Protection Category: IEC 60 529 / NEMA	IP55 / NEMA 12	IP66 / NEMA 4X	IP55* / NEMA 12	IP66 / NEMA 4X
Max. Fibre Count	24 ST, FC, SC and 48 LC		96 ST, FC, SC and 192 LC	
Max. Modular Internal Panels	2		8	
Max. Splice Cassettes/Trays	4 x 12F (48F total)		8 x 24F (192F total)	
Included Accessories:	1 x 20 mm spiral compression gland, keys, grounding fasteners & stickers, spare 3 mm double bit camlock & key, hook & loop strap, 2 x cable strength member anchors			

\* Ingress Protection can be increased to IP66 / NEMA 4 though the use of a custom gland plate to replace the standard. For outdoor use, a Rain Canopy is recommended (see accessories)

#### Notes:

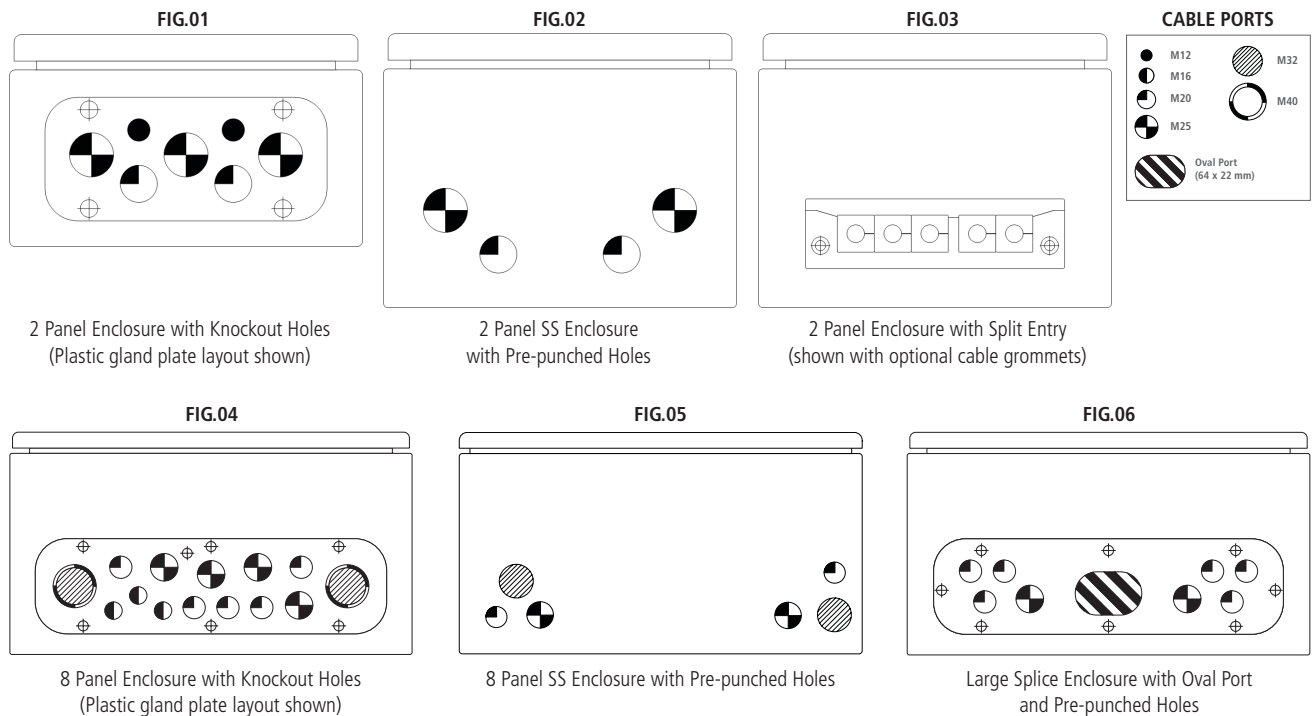
When selecting an enclosure for your specific application, consider the environmental factors, such as indoor or outdoor use, exposure to chemicals or extreme temperatures, to determine whether a NEMA 12, NEMA 4 or NEMA 4X enclosure is the most suitable choice.

- Testing of IP protection categories for water protection (2nd code number to IEC 60 529) cannot be compared with an enclosure sited outdoors or under similar conditions. Depending on the ambient conditions, additional measures may be required.

## Harsh Environment Wall Enclosures

### Gland Plate Diagram

Removable gland plates only available on mild steel enclosure variations. Stainless steel variations supplied standard with punched holes as shown in diagrams below. All standard punched holes are fitted with blanking plugs. Custom punched hole combinations available, please contact AFL to discuss your requirements.






























Mid-sheath or 'Express' splicing variants are listed below. Contact AFL for more information.

PART NUMBER	DESCRIPTION	INGRESS PROTECTION	BASE VIEW REFERENCE
FHE-SM-SPLT1-SS304	2 Modular Panel Small Wall Enclosure / Split Gland Plate – IP66 304SS	IP66 / NEMA 4X	FIG.03
FHE-SM-SPLT1-SS316	2 Modular Panel Small Wall Enclosure / Split Gland Plate – IP66 316SS		
FHE-LG-SPLICE-OVL	Splice Only Large Wall Enclosure / Oval port – RAL7035	IP66 / NEMA 4	FIG.06









## Harsh Environment Wall Enclosures

### Ordering Information

STANDARD DENSITY (SD) COUPLER PANELS - SUPPLIED FITTED INTO ENCLOSURE		
PART NUMBER	DESCRIPTION	IMAGE
FRE-BLANK	Blank Panel	
FRE-SC06H-FL1/6	SC/LCD, 6 Port Flat Panel, Printing 1-6 Horizontal	
FRE-SC06H-AL1/6	SC/LCD, 6 Port Left Facing Panel, Printing 1-6 Horizontal	
FRE-SC06H-AR1/6	SC/LCD, 6 Port Right Facing Panel, Printing 1-6 Horizontal	
FRE-SC12D-FL1/12	SC/LCD, 12 Port Flat Panel, Printing 1-12 Diagonal	
FRE-SC12D-FL13/24	SC/LCD, 12 Port Flat Panel, Printing 13-24 Diagonal	
FRE-SC12H-AL1/12	SC/LCD, 12 Port Left Facing Panel, Printing 1-12 Horizontal	
FRE-SC12H-AR1/12	SC/LCD, 12 Port Right Facing Panel, Printing 1-12 Horizontal	
FRE-SC12V-AL1/12	SC/LCD, 12 Port Left Facing Panel, Printing 1-12 Vertical	
FRE-SC12V-AR1/12	SC/LCD, 12 Port Right Facing Panel, Printing 1-12 Vertical	
FRE-SC12V-AR13/24	SC/LCD, 12 Port Right Facing Panel, Printing 13-24 Vertical	
FRE-SCD03H-FL1/6	SCD/LCQ, 3 Port Flat Panel, Printing 1-6 Horizontal	
FRE-SCD03H-AL1/6	SCD/LCQ, 3 Port Left Facing Panel, Printing 1-6 Horizontal	
FRE-SCD03H-AR1/6	SCD/LCQ, 3 Port Right Facing Panel, Printing 1-6 Horizontal	
FRE-SCD06D-FL1/12	SCD/LCQ, 6 Port Flat Panel, Printing 1-12 Diagonal	
FRE-SCD06D-FL13/24	SCD/LCQ, 6 Port Flat Panel, Printing 13-24 Diagonal	
FRE-SCD06H-AL1/12	SCD/LCQ, 6 Port Left Facing Panel, Printing 1-12 Horizontal	
FRE-SCD06H-AR1/12	SCD/LCQ, 6 Port Right Facing Panel, Printing 1-12 Horizontal	
FRE-ST06H-FL1/6	ST/FC, 6 Port Flat Panel, Printing 1-6 Horizontal	
FRE-ST06H-AL1/6	ST/FC, 6 Port Left Facing Panel, Printing 1-6 Horizontal	
FRE-ST06H-AR1/6	ST/FC, 6 Port Right Facing Panel, Printing 1-6 Horizontal	
FRE-ST12D-FL1/12	ST/FC, 12 Port Flat Panel, Printing 1-12 Diagonal	
FRE-ST12D-FL13/24	ST/FC, 12 Port Flat Panel, Printing 13-24 Diagonal	
Non-standard panel colours & numbering available, MOQ may apply. Contact AFL for more information		
   		

## Harsh Environment Wall Enclosures

### Optional Accessories

PART NUMBER	DESCRIPTION	IMAGE
SPLCASS-SSH-HD-6/12K	Small Splice Tray Kit with Protectors Max. 12 Splices	 Suits 2 Panel - Small Enclosures
SPLCASS-SSH-HD-12/24K	Small Splice Tray Kit with Protectors Max. 24 Splices	
SPLCASS-SSH-HD-18/36K	Small Splice Tray Kit with Protectors Max. 36 Splices	
SPLCASS-SSH-HD-24/48K	Small Splice Tray Kit with Protectors Max. 48 Splices	
SPLCASS-LSH-HD-12/24K	Large Splice Tray Kit with Protectors Max. 24 Splices	 Suits 8 Panel & Large Enclosures Only
SPLCASS-LSH-HD-24/48K	Large Splice Tray Kit with Protectors Max. 48 Splices	
SPLCASS-LSH-HD-36/72K	Large Splice Tray Kit with Protectors Max. 72 Splices	
SPLCASS-LSH-HD-48/96K	Large Splice Tray Kit with Protectors Max. 96 Splices	
SPLCASS-LSH-HD-60/120K	Large Splice Tray Kit with Protectors Max. 120 Splices	
SPLCASS-LSH-HD-72/144K	Large Splice Tray Kit with Protectors Max. 144 Splices	
SPLCASS-LSH-HD-84/168K	Large Splice Tray Kit with Protectors Max. 168 Splices	
SPLCASS-LSH-HD-96/192K	Large Splice Tray Kit with Protectors Max. 192 Splices	
HEY3247	M16 Spiral Compression Gland Suit Cable 2.7 - 8.0 mm (Black Nylon) IP68	
HEY3246	M20 Spiral Compression Gland Suit Cable 6.9 - 11.9 mm (Black Nylon) IP68	
CABGN12	M12 Compression Gland Suit Cable 3 - 6 mm (Black Nylon) IP68	
CABGN16	M16 Compression Gland Suit Cable 5 - 10 mm (Black Nylon) IP68	
CABGN20	M20 Compression Gland Suit Cable 8 - 13 mm (Black Nylon) IP68	
CABGN25	M25 Compression Gland Suit Cable 9 - 18 mm (Black Nylon) IP68	
CABGN32	M32 Compression Gland Suit Cable 15 - 24 mm (Black Nylon) IP68	
CABGN40	M40 Compression Gland Suit Cable 19 - 28 mm (Black Nylon) IP68	
CABGN-INS-2	2 x 6 mm Cable Insert to suit CABGN20	
CABGN-INS-4	4 x 9 mm Cable Insert to suit CABGN32	
CSM-ANCHOR	Cable Strength Member Anchor Max. 7 mm FRPS	
FHE-MNTEARS-SS316-10#*	FHE Mounting Ears, 4pc Set, Stainless Steel 316L, 10 mm Offset from Wall	 *Shown
FHE-MNTEARS-SS304-10#	FHE Mounting Ears, 4pc Set, Stainless Steel 304, 10 mm Offset from Wall	
FHE-MNTEARS-CSZ-10#	FHE Mounting Ears, 4pc Set, Mild Steel Zinc Gal, 10 mm Offset from Wall	
FHE-MNTEARS-CSZ-40#	FHE Mounting Ears, 4pc Set, Mild Steel Zinc Gal, 40 mm Offset from Wall	
FHE-LG-CANOPY-RAL7035	Rain Canopy, for FHE 380(W) x 210(D), +30 mm(H), MS-RAL7035 (Installed)	 *Shown
FHE-SM-CANOPY-SS304	Rain Canopy, for FHE 200(W) x 155(D), +25 mm(H), SS304 (Installed)	
FHE-LG-CANOPY-SS316*	Rain Canopy, for FHE 380(W) x 210(D), +30 mm(H), SS316L (Installed)	
RIT2436735	Primer/paint Touch-up pen, Colour: RAL7035, 12 mL	

A range of customisable options are available to suit your requirements. Contact AFL for more information.



Nickel Plated Brass  
Compression Glands



Nylon Plug  
(Standard & Click Style)



Cable Grommets  
for Split Gland Plates



Custom Gland Plate