

MF1S Modular Floor Standing

IP-MFS1868080-KIT

STEEL | SINGLE DOOR | IP55 IK10

1860H x 800W x 800D

The IP Enclosures MF1S range of powder-coated galvanised steel Modular Floor Standing Electrical Cabinets for low voltage switchgear and controlgear assemblies are suitable for general industrial applications.

Protection: IP55 IK10

Standards (& Conformities): IEC/EN 60529, IEC/EN 62208, IEC/EN 61439, RoHS



Material:

- Main Frame: 2.0mm Galvanised Steel W Profile System
- Side, Rear, & Roof Panels: 1.2mm Powder-Coated Galvanised Steel Sheet
- Front Door: 2.0mm Powder-Coated Galvanised Steel Sheet
- Mounting Plates: 2.0mm Galvanised Steel Sheet
- Seal: EPDM

Enclosure Main Frame: The robust modular main structure is fabricated using 2.0mm galvanised steel sheet W Profile system with 20mm hole pattern.

Enclosure Door: The robust door is fabricated using 2.0mm powder coated galvanised steel sheet and incorporates four concealed hinges. The door is designed for a 135° opening. Each door contains earth studs and an A4 document pocket.

Enclosure Side, Rear and Roof Panels: Removable panels are fabricated using 1.2mm powder coated galvanised steel sheet.

Enclosure Base: 100mm high base.

Door Seal: High quality EPDM replaceable door seal.

Enclosure Lock: 4 point locking system with key-lock swing handle.

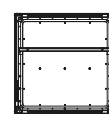
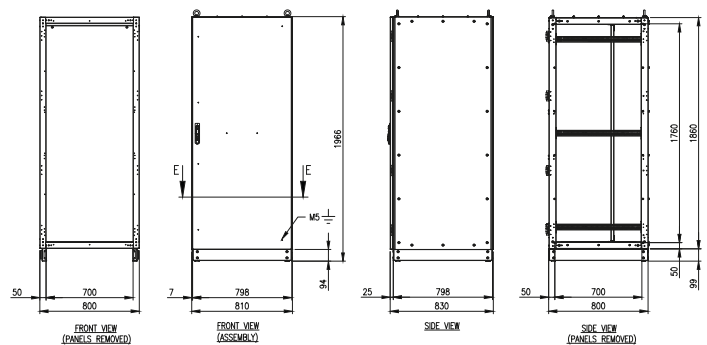
Device Mounting Plate: The device mounting plate is fabricated using 2.0mm mm galvanised steel sheet, pressed to provide additional strength.

Earthing: All panels are earthed to provide earthing continuity.

Surface Treatment: UL approved AkzoNobel epoxy polyester powder coated with a textured finish. 80-120 micron average thickness.

- **Standard Colour:** RAL7035 (Other colours available upon request)
- **Colour of Base:** RAL9005 (Other colours available upon request)

Mass: 165.0Kg.



SECTION E-E



MF1S Modular Floor Standing

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ACCESSORIES:

| Part Number | Description |
|--|--|
| IP-MFSID18680 | Steel Inner Door (To suit Electrical Cabinet 1860mmH x 800mmW); Powder-Coated |
| IP-MFS19R186 | 19" Data Rack Rail Kit to suit 1860H Electrical Cabinet |
| IP-SHL8080 | 800mmW x 800mmD Shelf System for Electrical Cabinet; Shelf Rating: 50Kg. |
| IP-CPP1860 | 1860mm High Cover Brackets (To suit 1860mmH Cabinet) |
| IP-CP1680; IP-CP2480; IP-CP3280; IP-CP4080; IP-CP4880; IP-CP5680; IP-CP6480 | 160mm High Cover Plate; 240mm High Cover Plate; 320mm High Cover Plate; 400mm High Cover Plate; 480mm High Cover Plate; 560mm High Cover Plate; 640mm High Cover Plate (To suit 800mm Wide Cabinet) |
| IP-CPMCB1680 | 160mm High Cover Plate with MCB Cutouts (To suit 800mm Wide Cabinet) |
| IP-MP160800; IP-MP240800; IP-MP320800; IP-MP400800; IP-MP560800; IP-MP640800; IP-MP720800 | 160mm High Partial Mounting Plate; 240mm High Partial Mounting Plate; 320mm High Partial Mounting Plate; 400mm High Partial Mounting Plate; 560mm High Partial Mounting Plate; 640mm High Partial Mounting Plate; 720mm High Partial Mounting Plate (To suit 800mm Wide Cabinet) |
| IP-MPB400-KIT; IP-MPB600-KIT | 400mm High Partial Mounting Plate Bracket Kit; 600mm High Partial Mounting Plate Bracket Kit (Note that several Mounting Plates can be attached to 1xBracket Kit providing the total height of Mounting Plate does not exceed height of Bracket Kit.) |
| IP-DS800-KIT | 800mm Depth Slide Kit |
| IP-MFSBAYFP1860 | Baying Filler Plate to suit 1860H Mounting Plates |
| IP-MFSBAYKIT | Baying Kit to suit Electrical Cabinets |

CERTIFICATES:

IEC 60529 Degrees of protection provided by enclosures: Certificate AB-0386-T 1902.14 01/00
IEC/EN 62208 Empty Enclosures for low-voltage switchgear and controlgear assemblies: Certificate 0366932-TSE-01/01
IEC/EN61439-1, 61439-2 low voltage switchgear and controlgear assemblies: Certificate 0406176-TSE-02/01
CE Certificate of Compliance: Certificate SZT-24 MA 33485-1
UKCA Certificate of Compliance: Certificate SZU-22 MA 19560-1

IEC/EN 61439 Certified Test Ratings:

| | |
|--|--|
| Rated Voltage: | 400 V AC |
| Rated Insulation Voltage: | 690 V |
| Rated Impulse Withstand Voltage: | 8 kV |
| Rated Current: | 630A - 1600A – 4000A |
| Main Circuit Short-Time Current Withstand: | 30kA/1sec – 40kA/1sec – 60kA/1sec |
| Distribution Circuit Short-Time Current Withstand: | 25kA/1sec – 36kA/1sec – 50kA/1sec |
| Auxilliary Circuit Short-Time Current Withstand: | – – 30kA – 40kA/1sec – 36kA/1sec |
| Neutral Circuit Short-Time Current Withstand: | – – 25kA/1sec – 36kA/1sec |
| Protection Circuit Short-Time Current Withstand: | 18kA/1sec – 25kA/1sec – 36kA/1sec |
| Rated Conditional Short Circuit Current: | 36kA/630A, 30kA/400A – 45kA/1600A, 36kA/1250A, 36kA/1000A – 65kA/4000A, 55kA/3200A, 45kA/2500A, 40kA/2000A |
| Rated Frequency: | 50Hz |

Products are manufactured to Quality, Safety and Environmental Standards.

WARRANTY: 5 years.