S1 Electrical Enclosure

IP-505025SUN

STEEL | SINGLE DOOR | IP66 IK10 | WITH SUN SHIELDS

500H x 500W x 250D

The S1 range of electrical enclosures with sun shields are rated for protection up to IP66 and are aimed to reduce heat from direct sunlight. This range is equipped with sun shields fitted to the external surfaces to help regulate the internal temperature of the electrical enclosure when exposed to direct sunlight.

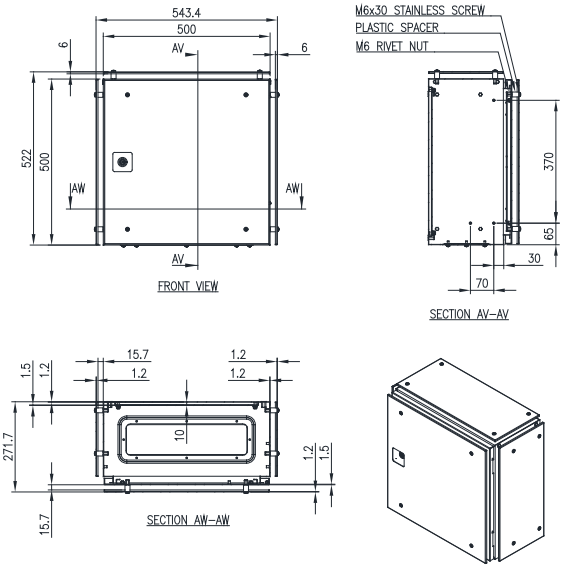
Protection: IP66 IK10 (NEMA 4)

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

N° file E534557

Material:
- Body: 1.2mm galvanised steel sheet
- Door: 1.5mm galvanised steel sheet
- Sun Shields: 1.2mm galvanised steel sheet with stainless steel fasteners
- Device Mounting Plate: 1.5mm galvanised steel sheet
- Gland Plate: 1.5mm galvanised steel sheet
- Seal: Polyurethane

Enclosure Body & Sun Shields: The robust monoblock body is fabricated using 1.2mm galvanised steel sheet. Pre-fitted blind nutserts are incorporated to accommodate mounts and accessory fasteners to eliminate drilling and retain IP rating. Integral device plate mounts and M6 earth studs are provided. A galvanised steel gland plate is incorporated into the bottom face. Sun shields are fabricated using 1.2mm galvanised steel sheet and are provided with spacers to offset the surface of the shield from the surface of the enclosure. Cutting, pressing and full continuous seam welding using precision automated manufacturing equipment ensures accuracy and consistent high quality.



Enclosure Door: The robust surface mounted door is fabricated using 1.5mm galvanised steel sheet and incorporates concealed removable hinges with captive pins. The door is designed for a 110° opening. Each door contains cable management rail, an M6 earth stud and a high-quality machine-applied foamed in place (FIP) Polyurethane seal. Two internal cable management rails can be removed to provide additional space for equipment, duct and door-mounted control components. Sun shields are fabricated using 1.2mm galvanised steel sheet and are provided with spacers to offset the surface of the shield from the surface of the enclosure.

Enclosure Seal: A high-quality machine-applied full perimeter UL listed Polyurethane seal foamed in place (FIP) provides excellent sealing over a long life. Temperature resistance -40°C to 80°C (160°C short term loading).

Enclosure Lock: 5mm double bit insert quarter turn lock with key.

Device Mounting Plate: The device mounting plate is 1.5mm galvanised steel sheet. It is pressed to provide strength and supplied pre-fitted into the enclosure as standard.

Gland Plate: Gland plate is incorporated into the bottom face of the enclosure for cable management. It is provided with gaskets and fasteners. The size and quantity vary according to enclosure size.

Surface Treatment: UL approved AkzoNobel epoxy polyester powder-coated with a textured finish. 80–120-micron average thickness. Colour RAL7035.

Mass: 20.3Kg.

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ACCESSORIES:

Part Number	Description
IP-PSID5050	Steel Inner Door (To suit Enclosure 500mmH x 500mmW); Powder-Coated
IP-DINRAIL 7.5X35-430	DIN RAIL x 430mm (Pack of 10)
IP-GPB3-3; IP-GPA3-3; IP-GPBA5-3	3mm Brass; 3mm Aluminium; 5mm Aluminium Gland Plates
IP-EK01	Standard Earthing Kit
IP-WMBKIT	Wall-Mounting Bracket Kit (with 4x Brackets and Fasteners)
IP-PMP500	U-Channel Profile 500mm Long; Powder-Coated
IP-PMB	Pole Mount Bracket to Suit Large Diameter Poles (Use with Bandit Strap)
IP-L043	Wing Knob Padlockable; Cast Alloy Coated Black

CERTIFICATES:

IEC 60529 Degrees of protection provided by enclosures: Certificate AB-0386-T 1902.14 02/00
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 AB-0341-T, 23-297-R1-N1-1
CE Certificate of Compliance: Certificate SZT-24 MA 33485-1
UKCA Certificate of Compliance: Certificate SZT-25 MA 38734-1
UL: Listing Number E534557

IEC/EN 61439 Certified Test Ratings:

Rated Voltage:	400 V AC
Rated Insulation Voltage:	690 V
Rated Impulse Withstand Voltage:	6 kV
Rated Current:	630A
Rated Peak Withstand Voltage:	40kA
Rated Short-Time Withstand Current:	20kA (Busbar)
Rated Conditional Short Circuit Current:	20kA
Rated Frequency:	50Hz

Products are manufactured to Quality, Safety and Environmental Standards.

WARRANTY: 5 years.

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