

Mounted Electrical Enclosures

Stainless Steel Grade 316L | Mine-Spec

SSSR-HD

SLOPING ROOF | SINGLE DOOR | HEAVY DUTY | SUN SHIELD | IP66 IK10



The IP Enclosures Mine-Spec range of 316L stainless steel electrical enclosures with integrated sun shields is designed to protect electrical switchgear, control equipment and instrumentation in harsh or highly corrosive mining environments. The sloping roof design prevents the accumulation of dust, debris and water, while the use of 316L stainless steel ensures long-term corrosion resistance in coastal, chemical and mining applications. External sun shields minimise solar heat gain and help maintain stable internal temperatures when the enclosure is exposed to direct sunlight.



Features & Specifications

SSSR-HD

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Protection: IP66 IK10 (NEMA 4)

Standards (& Conformities):

IEC/EN 60529, IEC/EN 62208, IEC/EN 61439, RoHS



Material:

- Body: 1.5mm Grade 316L stainless steel
- Door: 1.5mm Grade 316L stainless steel
- Sun Shields: 1.5mm Grade 316L stainless steel
- Adjustable Device Mounting Plate: 1.5mm galvanised steel sheet
- Gland Plate: 5.0mm aluminium
- Seal: Polyurethane

Body & Sun Shields: The robust monoblock body with sloping roof is fabricated using 1.5mm Grade 316L stainless steel. Flat face sealing surfaces are provided to increase seal life. Integral top and bottom mounting flange. The roof consists of a 30° sloped roof protruding design for the mining industry. Integral device plate mounts and M6 earth studs are provided. Sun shields are fabricated using 1.5mm Grade 316L stainless steel 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.

Door: The robust surface mounted door is fabricated using 1.5mm Grade 316L stainless steel and incorporates concealed removable hinges with captive pins. The door is designed for a 110° opening. Each door contains cable management rails, 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 1.5mm Grade 316L stainless steel and are provided with spacers to offset the surface of the shield from the surface of the 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).

Lock: Key-lock swing handle.

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

Gland Plate: A full size 5.0mm aluminium gland plate with polyurethane seal is incorporated into the bottom face of the enclosure for cable management.

Surface Treatment: UL approved AkzoNobel polyester powder-coated with a smooth gloss finish, 80-120 micron average thickness, providing excellent exterior durability and colour retention. Colour X15 Orange.



Part Number	Enclosure Size	Locks	Weight
SKU	H x W x D (mm)	Type	Kg
IP-SSSR404025-HD-X15	400 x 400 x 250	Single Point	25
IP-SSSR606035-HD-X15	600 x 600 x 350	3-Point	50
IP-SSSR705020-HD-X15	700 x 500 x 200	3-Point	38
IP-SSSR705035-HD-X15	700 x 500 x 350	3-Point	50
IP-SSSR1008020-HD-X15	1000 x 800 x 200	3-Point	71
IP-SSSR1008040-HD-X15	1000 x 800 x 400	3-Point	92