# SS1 Electrical Enclosure

# IP-SS404020-V

## STAINLESS STEEL | SINGLE DOOR | VENTILATED | IP55 CUTOUTS: 125mm x 125mm

**The SS1 range of stainless steel electrical enclosures are rated for protection up to IP55 (when used with IP-V2000-UV, IP-V2200-UV). This range is wall-mounted, grade 316L stainless steel, single door construction, and features cut-outs for fans and vents for fast and easy assembly.**

**Protection:** IP55 IK10

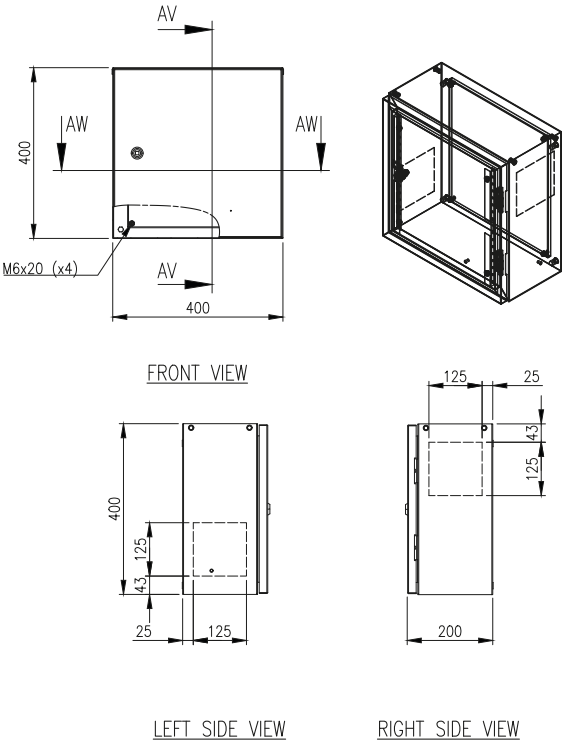
**Standards (& Conformities):** IEC/EN 60529, IEC/EN 62208, IEC/EN 61439, RoHS

N° file E534557

**Material:**
- Body: 1.5mm Grade 316L stainless steel (Optional 304)
- Door: 1.5mm Grade 316L stainless steel (Optional 304)
- Device Mounting Plate: 1.5mm galvanised steel sheet
- Seal: Polyurethane

**Surface Finish:** 0.4 micron Ra surface brushed finish.

**Enclosure Body:** The robust monoblock body is fabricated using 1.5mm Grade 316L stainless steel (Grade 304 is also available). Flat face sealing surfaces are provided to increase seal life. 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. Two cutouts 125mm x 125mm are provided, located diagonally opposite, to house a fan and vent. 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 Grade 316L stainless steel and incorporates concealed removable hinges with captive pins (Grade 304 is also available). 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.

**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:** Grade 316 stainless steel 8mm square drive 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 is pre-fitted into the enclosure as standard.



© IP Enclosures 2025

# SS1 Electrical Enclosure IP-SS404020-V

## STAINLESS STEEL | SINGLE DOOR | VENTILATED | IP55 CUTOUTS: 125mm x 125mm

**ACCESSORIES:**

| Part Number | Description |
|---|---|
| IP-DINRAIL 7.5X35-330 | DIN RAIL x 330mm (Pack of 10) |
| IP-EK01 | Standard Earthing Kit |
| IP-SSRH4020 | 316 Stainless Steel Rain Hood 400mmW x 200mmD |
| IP-SOLSS4020 | 316 Stainless Steel Solar Panel Bracket Set (Including 2 Brackets and Fasteners) |
| IP-V2000-UV | 150mm x 150mm Filter Vent; UV Rated; IP55 High Efficiency (G4) |
| IP-V2200-UV | 150mm x 150mm Filter Fan; 44m³/h 230V; UV Rated; IP55 High Efficiency (G4) |
| IP-SS4040WINDOOR | 316 Stainless Steel Enclosure Door with Window 400mmH x 400mmW |
| IP-SSWMBKIT | 316 Stainless Steel Wall-Mounting Bracket Kit (with 4x Brackets and Fasteners) |
| IP-SSPMP300 | 316 Stainless Steel U-Channel Profile 300mm Long |
| IP-SSPMB | 316 Stainless Steel Pole Mount Bracket to Suit Large Diameter Poles (Use with Bandit Strap) |
| IP-L031 | 316 Stainless Steel Wing Knob Padlockable |

**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 SZU-22 MA 19560-1
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.


© IP Enclosures 2025