Datasheet

➔ S45_05

12/10/2025

Technical data

Equipped stainless steel housing with cable gland for profile mounting

Type	S45_05
Series	S4
Rubric	Equipped stainless steel enclosure
Approvals	CE, TÜV_Süd, UKCA

➔ General data

Mounting holes	5
Operating temperature	-25 °C ... 70 °C
Enclosure colour	Stainless steel, brushed
Contact material	AgNi
Storage temperature	-25 °C ... 80 °C
Material	Stainless steel enclosures
Standards	EN ISO 13850 EN 60947-5-1 EN 60947-5-5
Degree of protection front	IP54

Control elements

- Emergency stop FRVKOO (2 NC)
- Buttons SSWTI (1 NO), incl. button cap set (all colors), without label

➔ Electrical data

Rated operating voltage IEC/EN 60947-5-1	24 V AC 24 V DC
Rated operating current IEC/EN 60947-5-1	3 A AC 2 A DC
Electrical lifetime	50,000 switching cycles emergency-stop 1,000,000 switching cycles pushbuttons
Utilisation category IEC/EN 60947-5-1	AC15 DC13
Illuminant connection	X1...anode, X2...cathode
Bouncing time	< 10 ms NC < 10 ms NO
Breaking capacity IEC/EN 60947-5-1	10 Ie AC 1.1 Ie DC
Thermal continuous current IEC/EN 60947-5-1	5 A AC

Important information

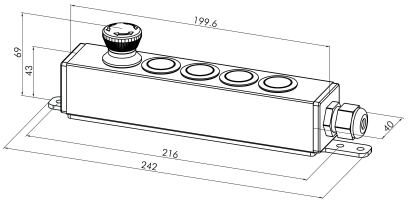
- Use partially or fully insulated flat plug sleeves
- The user must ensure that the contactors installed in the housing are connected correctly so that, when used as intended, the requirements regarding air and creepage distances are met
- During the final inspection, a protective conductor test must be carried out in accordance with EN 60204-1

➔ Mechanical data

connection	Faston terminals 2.8 mm x 0.8 mm
Connection type	M16 cable gland
Tightening torque screws	0.5 Nm enclosures 0.5 Nm protective conductor
Release	Twist to release left/right
Mechanical lifetime	50,000 switching cycles emergency-stop 1,000,000 switching cycles pushbuttons
Positive opening	Acc. to EN60947-5-1, appendix K emergency-stop

Instructions for mounting

- Fastening lug top/bottom (incl. sliding block)
- Before mounting the cover plate (base), make sure that one of the two enclosed serrated lock washers is inserted into the round cut-out on the inside of the cover plate (contact with the upper part of the housing)
- Protection class IP54 only with inserted cable and proper screw connection

Technical drawings

➔ Dimensional drawing