

SIL_QRBUVOO

11.01.2024

Emergency-stop control station



General Data

Type reference	SIL_QRBUVOO
Description	Emergency-stop in SIL enclosure
Approvals	CE, cURus, UKCA
Contact type	2 NC
Degree of protection	IP65
Connection type	screw connection 2x 2.5 mm ²
Contact material	AgNi
Max. storage temperature	-25°C ... 85°C
Max. operating temperature	-25°C ... 60°C
Mechanical life	50,000 switching cycles (20°C)
Electrical life (rated load)	50,000 switching cycles at rated load
Contact resistance NC	< 20 mOhm
Bouncing time NC	< 10ms
Positive opening contact	acc. to EN60947-5-1, appendix K

Electrical data acc. to IEC/EN 60947-5-1 (VDE 0660 Sect. 200)

	alternate current	direct current
Utilisation category	AC15 A600	DC13 Q600
Rated insulation voltage U _i	600 V	600 V
Rated operating voltage U _e	240 V / 440 V	440 V / 250 V / 125 V / 60 V / 24 V
Rated operating current I _e	3 A / 1.6 A	0.12 A / 0.2 A / 0.4 A / 1 A / 2 A
Breaking capacity	10I _e	1,1I _e
Continuous thermal current	16 A	-

General data

Standards	EN 60947-5-1, EN 60947-5-5, EN ISO 13850
Cable entry	M20 break-through



Tightening torque (enclosure screws)	1.2 Nm
B10d [cycles]	250,000
Ld	20% (NC)
Tightening torque (screw terminal)	0.8...1.0 Nm
Stripping length	9 mm

Note

O = NC contact

- emergency-stop with 2 positive opening NC contacts mounted into a SIL22 enclosure
- with switching position indicator and yellow anti-lock collar
- cable entry via M20 cable gland, blind plug for break out
- bottom part enclosure: black, top part enclosure: yellow
- fixing hole enclosure Ø 4.2 mm
- twist to release

Approvals:

Contact block: CCC, CSA, cULus, DNVGL, ENEC05, KEMA, CE, TÜV_Süd, UKCA

Emergency-stop head: CCC, cULus, TÜV_SÜD, UKCA, UR (NDIS2)

Enclosure: CE, cULus, TÜV_Süd, UKCA, Type 4x

Conditional short circuit I_q: 1000 A

Rated impulse withstand voltage U_{imp}: 4.0 KV

Short circuit means (recommendation): SCPD 16 A, Char. C

Pollution degree 3

Overvoltage category III

Note:

The operator has to make sure that the contact blocks used in the enclosure are connected correctly in order to comply with the clearance and creepage distance requirements for insulated enclosures on proper use.

Data acc. to UL

NEMA TYPE Type 1 indoor use only

Rating A600

