

SIL_QRSKUVOO

19.04.2023

Emergency-stop control station



General Data

Type reference	SIL_QRSKUVOO
Description	Emergency-stop in SIL enclosure
Approvals	CE, cURus, UKCA
Contact type	2 NC
Degree of protection	IP65 *1)
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
Tightening torque (enclosure screws)	1.2 Nm



Cable entry	M20 break-through
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, UR (NDIS2)

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

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.
The use has to make sure that the emergency-stop with protective shroud is always easily accessible.

*1) The SIL enclosure and the e-stop QRSKUV and the break-through for the cable entry are IP69k. It can be reduced depending on the cable gland being used.

Data acc. to UL

NEMA TYPE	Type 1 indoor use only
Rating	A600

