

Emergency-stop control station for hygienic application



General Data

Type reference	SIL_QRUVPOO
Description	Emergency-stop in SIL enclosure for hygienic areas
Approvals	CE, cURus, UKCA
Contact type	2 NC
Degree of protection	IP66 / IP69K
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	> 6,050 switching cycles
Electrical life (rated load)	> 6,050 switching cycles
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]	181,500
Ld	5% (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
- cable entry via M20 cable gland, blind plug for break out
- bottom part enclosure: black, top part enclosure: yellow
- conforms to BG (= Employer's Liability Insurance Association) in accordance with DIN EN 1672-2 and GS-FW 01/01
- 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, cURus, DGUV_Test, TÜV_SÜD, CE, UKCA
 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.

- limited UV resistance, a continuous outside application without additional protection is not recommended
- foolproof acc. to EN ISO 13850

Use in hygienic areas:

Limitation: Nozzle distance > 250 mm. Standard requirement acc. to ISO 20653:2013-02 (IPX9K) 100 – 150 mm

- Permanently suitable from -30°C to +50°C and with food contact temporarily up to +70°C
- Migration testing (OML) according to EU regulation no.10/2011 using ethanol (50%) and acetic acid (3%) at 40°C/1h, ethanol (95%) at 40°C/0.5h
- The emergency stop should be installed in a way to exclude a deposit of residues in its active and non-active state

Data acc. to UL

NEMA TYPE	Type 1 indoor use only
Rating	A600



