

SIL\_QRUVPOO

20.05.2022

**Pulsante di emergenza per applicazione in ambienti igienici con contenitore**



**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 <sup>2</sup>
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 Ui	600 V	600 V
Rated operating voltage Ue	240 V / 440 V	440 V / 250 V / 125 V / 60 V / 24 V
Rated operating current Ie	3 A / 1.6 A	0.12 A / 0.2 A / 0.4 A / 1 A / 2 A
Breaking capacity	10Ie	1,1Ie
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



