

**FRVKPOOI**

08.04.2022

**Emergency-stop for hygienic applications 2NC+1O**



**General Data**

Type reference	FRVKPOOI
Description	Emergency-stop head for hygienic applications, positive opening
Approvals	CCC, CE, cURus, TÜV_Süd, UKCA
Contact type	2 NC + 1 NO
Degree of protection	IP66 / IP67 / IP69K *1)
Connection type	Faston terminals 2.8 x 0.8 mm
Contact material	AgNi
Max. storage temperature	-40°C ... 80°C
Max. operating temperature	-30°C ... 70°C
Mechanical life	20,000 (20°C) >6,050 (-25°C) >6,050 (+70°C) switching cycles
Electrical life (rated load)	50,000 switching cycles at rated load
Contact resistance NC	< 50 mOhm (new state)
Bouncing time NO	< 10ms
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 B300	DC13 Q300
Rated insulation voltage Ui	250 V	250 V
Rated operating voltage Ue	240 V / 120 V	250 V / 125 V / 60 V / 24 V
Rated operating current Ie	1.5 A / 3 A	0.27 A / 0.55 A / 1 A / 2 A
Breaking capacity	10Ie	1,1Ie
Continuous thermal current	5 A	-

**Additional data**

Mounting aperture	22.3 mm
Tightening torque (mounting nut)	1.0 ... 1.7 Nm



Release	twist release, left or right
Mounting position	any
Standards	EN 60947-5-1, EN 60947-5-5, EN ISO 13850
Rated impulse voltage	2.5 kV
Overvoltage category	II
Pollution degree	2

### Reliability data

B10d [cycles]	150,000
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### Note

O = NC contact  
For hygienic applications  
Use partially or fully insulated Faston clamps

Use in hygienic areas:

- 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%), 40°C/0.5h  
ethanol (95%) at 40°C/0.5h
- the emergency stop should be installed in a way to exclude a deposit of residues both in its active and non-active state

\*1) Limitation: nozzle distance > 250 mm. Standard requirement acc. to ISO 20653:2013-02 (IPX9K) 100 – 150 mm

### Data acc. to UL

Rating contact block	B300, 24 V dc/3 A
NEMA TYPE	4x indoor (front face)
Torque	1.3 ... 1.9 Nm (head nut)



