

FRVKPOO

11.03.2022

Emergency-stop for hygienic applications 2NC



General Data

Type reference	FRVKPOO
Description	Emergency-stop head for hygienic applications, positive opening
Approvals	CCC, CE, cURus, TÜV_Süd, UKCA
Contact type	2 NC
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 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

Reliability data

B10d [cycles]	150,000
Pollution degree	3

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)

