

Datasheet

→ FRVKO_C006

05/23/2025



Technical data

Emergency-stop with 4-pole M12 connector

Type	FRVKO_C006
Series	SHORTRON® connect
Rubric	Emergency-stop
Approvals	CE, cURus, TÜV_Süd, UKCA



→ General data

Design	Round
Illumination	No
Can be labeled	No
Operating temperature	-25 °C ... 70 °C
Panel cut-out	Ø 22.3 mm
Lens colour	Red
Front bezel colour	Yellow
Contact material	AgNi
Storage temperature	-40 °C ... 80 °C
Degree of protection front	IP65 IP67
Degree of protection rear	IP65 with connected M12 IP67 with connected M12
Material group	I

→ Electrical data

<i>Rated operating voltage</i> <i>IEC/EN 60947-5-1</i>	35 V AC
	35 V DC
<i>Rated operating current</i> <i>IEC/EN 60947-5-1</i>	4 A AC
	2 A DC
<i>Rated insulation voltage</i> <i>IEC/EN 60947-5-1</i>	250 V AC
	250 V DC
<i>Contact resistance</i>	< 50 mΩ new state
<i>Electrical lifetime</i>	50,000 switching cycles at rated voltage
<i>Contact type</i>	1NC
<i>Switching capacity</i>	35 V AC/DC
	4 A
	35 V DC
	2 A
<i>Thermal continuous current</i> <i>IEC/EN 60947-5-1</i>	4 A AC
	4 A DC
<i>Overvoltage category</i>	II
<i>Pollution degree</i>	2

→ Electrical note

Safety / installation instructions

- The plug connector must not be connected or disconnected under load
- The individual plug pin may be loaded with max. 4 A
- not suitable for use under water
- when used outdoors, the M12 connections must be specially protected against corrosion

Pin assignment

Pin	Contact
1	NC
2	NC
3	n.c.
4	n.c.

→ Mechanical data

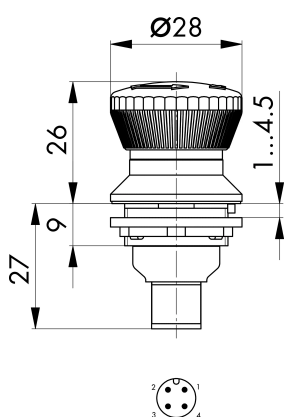
Connection	M12 A coded
Anti-lock collar	No
Torque connection	0.4 Nm
Tightening torque fixing nut	1 Nm ... 1.7 Nm
Mounting position	Any
Release	Twist to release left/right
Mechanical lifetime	50,000 switching cycles
Switching position indicator	Yes
Positive opening	Acc. to EN60947-5-1, appendix K

→ Safety data

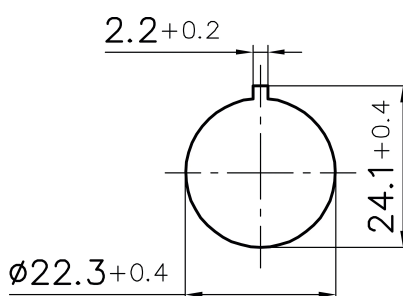
B10d	250,000
Lifetime	20 % NC

Technical drawings

→ Dimensional drawing



→ Cutout dimensions



→ Circuit diagram

