Datasheet

→ FRPVKOO

05/28/2026

Technical data

Emergency stop

Type	FRPVKOO
Series	SHORTRON®
Rubric	Emergency-stop
Approvals	CCC, CE, cURus, TÜV_Süd, UKCA

→ General data

Design	Round
Operating temperature	-25 °C ... 70 °C
Panel cut-out	Ø 22.3 mm
Mounting plate thickness	1 mm ... 4.5 mm
Mounting depth	18.5 mm
Lens colour	Red
Enclosure colour	Yellow
Weight	16.08 g
Contact material	AgNi
Storage temperature	-40 °C ... 80 °C
Standards	EN 60947-5-1 EN 60947-5-5 EN ISO 13850

Degree of protection front	IP66 IP67
Degree of protection NEMA information acc. to UL	NEMA 4x indoor (front face)

➔ Electrical data

Conditional short circuit current	1000 A
Rated operating voltage IEC/EN 60947-5-1	240 V AC 120 V AC 250 V DC 125 V DC 60 V DC 24 V DC
Rated operating current IEC/EN 60947-5-1	1.5 A AC 3 A AC 0.27 A DC 0.55 A DC 1 A DC 2 A DC
Rated insulation voltage IEC/EN 60947-5-1	250 V AC/DC
Rated impulse withstand voltage	2.5 kV
Contact resistance	< 50 mΩ NC new state
Electrical lifetime	30,000 switching cycles at rated voltage
Utilisation category IEC/EN 60947-5-1	AC-15 B300 DC-13 Q300
Contact type	2NC
Short circuit protection SCPD	6 A Char. D
Bouncing time	< 10 ms NC
Rating information acc. to UL	B300 24 V / 3 A DC Contact block
Switching capacity	240 V AC/DC 1.5 A 42 V 250 mA
Breaking capacity IEC/EN 60947-5-1	10 Ie AC 1.1 Ie DC

Thermal continuous current IEC/EN 60947-5-1	5 A AC
Overvoltage category	III
Pollution degree	3

➔ Mechanical data

Connection	Faston terminals 2.8 mm x 0.8 mm
Tightenting torque fixing nut	1.3 Nm ... 1.9 Nm
Mounting position	Any
Release	Pull release
Release force	≤ 30 N As new
Maximum traction	160 N
Mechanical lifetime	30,000 switching cycles
Switching position indicator	Yes
Positive opening	Acc. to EN60947-5-1, appendix K

Safety note / installation note

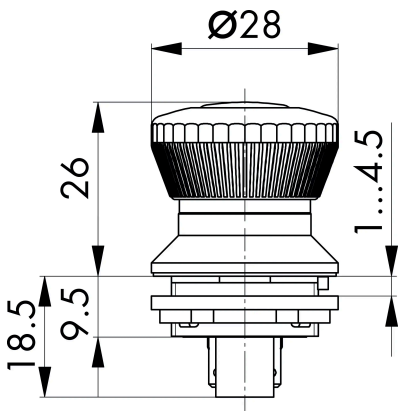
- Designs for blade terminals: use partially or fully insulated blade terminals

➔ Safety data

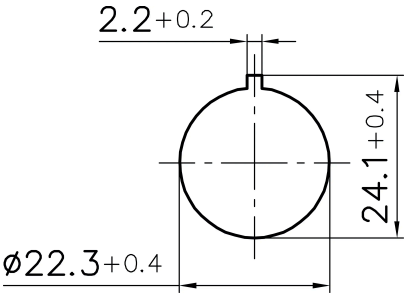
B10d	170,000
Lifetime	20 % NC

Technical drawings

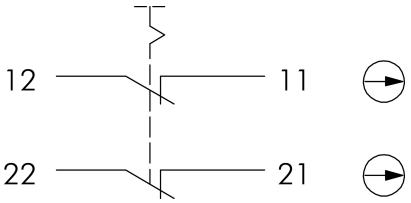
➔ Dimensional drawing



➔ Cutout dimensions



➔ Circuit diagram



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