Datasheet

→ KRVKOO_C111

09/18/2026

Technical data

Emergency-stop with 5-pole M12 connector

Type	KRVKOO_C111
Series	KOMBITAST® connect
Rubric	Emergency-stop
Approvals	CE, cURus, TÜV_Süd, UKCA

→ General data

Design	Round
Operating temperature	-25 °C ... 70 °C
Panel cut-out	Ø 30.5 mm
Mounting plate thickness	1 mm ... 4.5 mm
Mounting depth	28 mm
Color actuator	Red
Enclosure colour	Yellow
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	IP65

Degree of protection rear	IP65 with connected M12
Material group	I

➔ Electrical data

Conditional short circuit current	1000 A
Rated operating voltage *IEC/EN 60947-5-1*	35 V AC 35 V DC
Rated operating current *IEC/EN 60947-5-1*	2 A AC 2 A DC
Rated insulation voltage *IEC/EN 60947-5-1*	50 V AC 50 V DC
Rated impulse withstand voltage	2.5 kV contact block
Contact resistance	< 50 mΩ NC new state < 70 mΩ NC new state
Electrical lifetime	50,000 switching cycles at rated voltage
Enclosure type *UL/IEC 60947-5-5*	Type 4X (Indoor) front face
Utilisation category *IEC/EN 60947-5-1*	AC-15 DC-13
Contact type	2NC
Short circuit protection SCPD	Safety fuse 2 A gG
Bouncing time	< 10 ms NC
Rating *UL/IEC 60947-5-5*	35 V AC/DC Ith 2 / 2 A Ui 50 V
Switching capacity	35 V AC/DC 2 A
Breaking capacity *IEC/EN 60947-5-1*	10 Ie AC 1.1 Ie DC
Thermal continuous current *IEC/EN 60947-5-1*	2 A AC 2 A DC
Overvoltage category	II
Pollution degree	2

Safety instructions / installation instructions

- The plug connector must not be plugged in or unplugged under load
- The individual plug pin may be loaded with max. 2A

Pin-assignment

Pin 1	NC (11)
Pin 2	NC (21)
Pin 3	n. c.
Pin 4	NC (12)
Pin 5	NC (22)

➔ Mechanical data

Connection	M12 connector 5-polig A coded, AIDA
Operating force	Abt. 15 N ... 20 N at 20 mm/min
Tightening torque connection	max. 0.4 Nm
Tightening torque fixing nut	1.2 Nm ... 2 Nm
Mounting position	Any
Release	Twist to release left/right
Mechanical lifetime	50,000 switching cycles
Switching position indicator	Yes
Torque UL/IEC 60947-5-5	1.9 Nm ... 2.5 Nm head nut
Foolproof	Yes
Positive opening	Acc. to EN60947-5-1, appendix K

Safety instructions / installation instructions

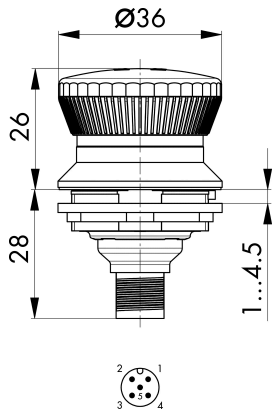
- Not suitable for use under water
- When used outdoors, the M12 connections must be specially protected against corrosion
- The M12 connection must not be subjected to mechanical loads, ensure sufficient strain relief!

➔ Safety data

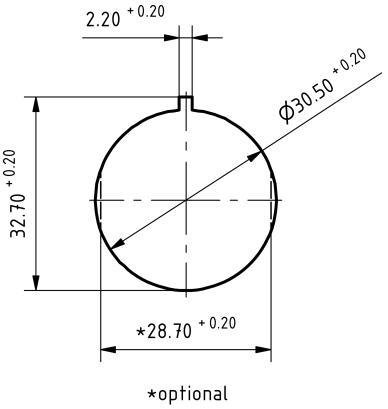
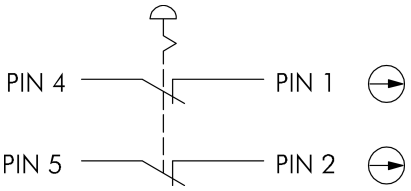
B10d	350,000
Lifetime	20 % NC

Technical drawings

➔ Dimensional drawing



➔ Cutout dimensions



➔ Circuit diagram