

Datasheet

→ **QRBUV7000_C0111** 

09/09/2025



Technical data

Emergency stop with large blocking protection collar

Type	QRBUV7000_C0111
Series	QUARTEX® connect
Rubric	Emergency-stop
Approvals	CE, UKCA



→ General data

Connection type	5-pole M12 A coded
Connecting cable	< 30 m
Design	Round
Operating temperature	-30 °C ... 70 °C
Panel cut-out	Ø 22.3 mm
Mounting plate thickness	1,0 mm ... 5,0 mm fixing nut M22
Mounting depth	28.5 mm
Lens colour	Red
Enclosure colour	Yellow
Contact material	AgNi
Storage temperature	-40 °C ... 80 °C
Degree of protection front	IP65
Degree of protection rear	IP65 with connected M12

Safety instructions / installation instructions:

- Not suitable for use under water
- Use only in dry indoor areas

→ Electrical data

<i>Conditional short circuit current</i>	1000 A
<i>Rated operating voltage</i> IEC/EN 60947-5-1	35 V AC 35 V DC
<i>Rated operating current</i> IEC/EN 60947-5-1	4 A AC 2 A DC
<i>Rated insulation voltage</i> IEC/EN 60947-5-1	50 V AC 50 V DC
<i>Rated impulse withstand voltage</i>	2,5 kV contact block
<i>Contact resistance</i>	< 50 mΩ NC
<i>Electrical lifetime</i>	50,000 switching cycles
<i>Utilisation category</i> IEC/EN 60947-5-1	AC15 DC13
<i>Contact type</i>	2NC
<i>Short circuit protection SCPD</i>	Safety fuse 4 A gG
<i>Bouncing time</i>	< 10 ms NC
<i>Switching capacity</i>	35 V AC/DC 2 A AC/DC
<i>Minimum voltage</i>	5 V
<i>Current minimal</i>	6 mA
<i>Thermal continuous current</i> IEC/EN 60947-5-1	2 A AC 2 A DC
<i>Overvoltage category</i>	II
<i>Pollution degree</i>	2

Pin assignment M12 5-pin:

Pin 1	NC1 (11)
Pin 2	NC2 (22)
Pin 3	n.c.
Pin 4	NC1 (12)
Pin 5	NC2 (21)

Safety instructions / installation instructions:

- The connector must not be connected or disconnected under load
- The individual connector pin may be loaded with max. 4 A load

➔ Mechanical data

<i>Connection</i>	M12 connector
<i>Operating force</i>	Abt. 30 N ... 40 N at 20 mm/min
<i>Anti-lock collar</i>	Yes
<i>Tightening torque connection</i>	0.4 Nm
<i>Tightening torque fixing nut</i>	1 Nm ... 1.9 Nm
<i>Mounting position</i>	Any
<i>Release</i>	Twist to release left/right
<i>Mechanical lifetime</i>	50,000 switching cycles
<i>Switching function</i>	Latching function
<i>Switching position indicator</i>	Yes
<i>Foolproof</i>	Yes
<i>Positive opening</i>	Acc. to EN60947-5-1, appendix K

Safety instructions / installation instructions:

- The M12 connection must not be subjected to mechanical loads, ensure sufficient strain relief!
- Observe the torque specifications for the mounting nut, use mounting wrench S22

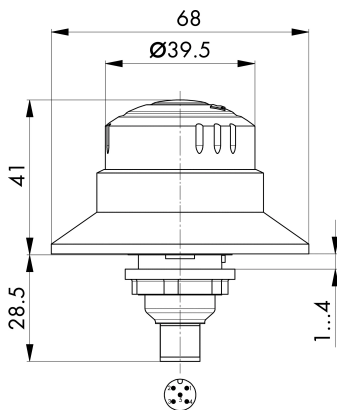
→ Safety data

B10d 250,000 5 V / 6 mA

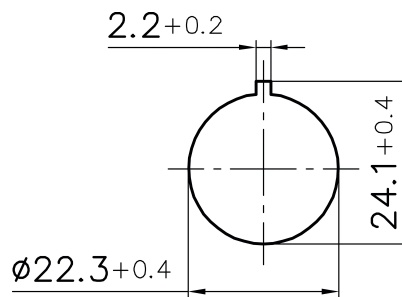
Lifetime 20 % NC

Technical drawings

→ Dimensional drawing



→ Cutout dimensions



→ Circuit diagram

