

# Datasheet

## → QRBLUVSEOOIC1190

09/10/2025



### Technical data

Emergency stop with illuminated anti-lock collar, key release and M12 connection 5-pin, A-coded

|           |                    |
|-----------|--------------------|
| Type      | QRBLUVSEOOIC1190   |
| Series    | QUARTEX® connect   |
| Rubric    | Emergency-stop     |
| Approvals | CE, TÜV_Süd, cURus |



### → General data

|                          |                                  |
|--------------------------|----------------------------------|
| Connection type          | 5-pole M12 A coded               |
| Connecting cable         | < 30 m                           |
| Design                   | Round                            |
| Illumination             | Yes                              |
| 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           | 27.5 mm                          |
| Lens colour              | Red                              |
| Enclosure colour         | Yellow                           |
| Contact material         | AgNi                             |
| Storage temperature      | -40 °C ... 80 °C                 |

|                                                         |                            |
|---------------------------------------------------------|----------------------------|
| <i>Degree of protection front</i>                       | IP65                       |
| <i>Degree of protection rear</i>                        | IP54 with connected M12    |
| <i>Degree of protection NEMA information acc. to UL</i> | NEMA 1 indoor (front face) |

Lit when actuated

### **Safety instructions / installation instructions**

- Not suitable for use under water
- Only for use in dry indoor areas
- Follow the operating instructions!

### **→ Electrical data**

|                                                  |                                          |
|--------------------------------------------------|------------------------------------------|
| <i>Conditional short circuit current</i>         | 1000 A                                   |
| <i>Rated operating voltage IEC/EN 60947-5-1</i>  | 35 V AC<br>35 V DC                       |
| <i>Rated operating current IEC/EN 60947-5-1</i>  | 2 A AC<br>2 A DC                         |
| <i>Rated insulation voltage IEC/EN 60947-5-1</i> | 50 V AC<br>50 V DC                       |
| <i>Rated impulse withstand voltage</i>           | 1,5 V contact block                      |
| <i>Contact resistance</i>                        | < 50 mΩ NC                               |
| <i>Electrical lifetime</i>                       | 50,000 switching cycles at rated voltage |
| <i>Illuminant colour</i>                         | White                                    |
| <i>Utilisation category IEC/EN 60947-5-1</i>     | AC15<br>DC13                             |
| <i>Contact type</i>                              | 2NC                                      |
| <i>Short circuit protection SCPD</i>             | Safety fuse 2 A gG                       |
| <i>Illuminant</i>                                | LED                                      |
| <i>Operating voltage illuminant</i>              | max. 24 V DC ± 10 %                      |
| <i>Operating current illuminant</i>              | max. 50 mA DC at 24 V                    |

*Bouncing time* < 10 ms NC

*Rating information acc. to UL* Ui 50 V  
30 V AC/DC  
2 A AC/DC  
Ith 2 A

*Switching capacity* 35 V AC/DC  
2 A AC/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 connector must not be connected or disconnected under load
- The individual connector pin may be loaded with max. 2A

### Pin assignment

|      |                         |
|------|-------------------------|
| Pin1 | COM: NC1(11), NO1(LED+) |
| Pin2 | NC2 (22)                |
| Pin3 | LED-                    |
| Pin4 | NC1 (12)                |
| Pin5 | NC2 (21)                |

## → Mechanical data

*Connection* M12 connector

*Operating force* Abt. 30 N ... 40 N at 20 mm/min

*Anti-lock collar* Yes

*Tightening torque connection* 0.4 Nm

*Tightening torque fixing nut* 1 Nm ... 1.9 Nm

*Mounting position* Any

|                               |                                 |
|-------------------------------|---------------------------------|
| Release                       | Key release                     |
| Mechanical lifetime           | 50,000 switching cycles         |
| Switching function            | Latching function               |
| Switching position indicator  | Yes                             |
| Torque information acc. to UL | 1 Nm ... 1.9 Nm head nut        |
| Foolproof                     | Yes                             |
| Positive opening              | 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

### Installation panel thickness

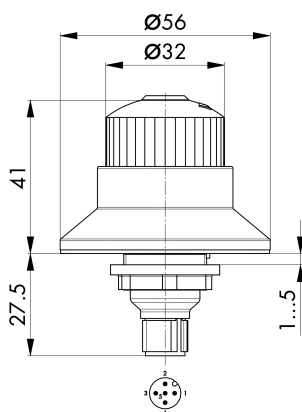
- With protective collar QRSK64(S): 1.0 mm ... 4.0 mm  
Fastening nut: use nut M15.277.4B supplied with the protective collar!

## → Safety data

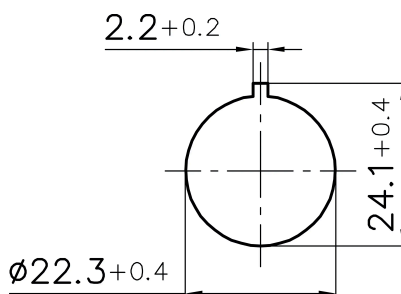
|          |                    |
|----------|--------------------|
| B10d     | 250,000 5 V / 6 mA |
| Lifetime | 20 % NC            |

## Technical drawings

### → Dimensional drawing



### → Cutout dimensions



### → Circuit diagram

