

QRBLUVOOI_C1190

05.10.2023

Illuminated emergency-stop



General Data

Type reference	preliminary_QRBLUVOOI_C1190
Description	Emergency-stop, foolproof with integrated M12 connector
Approvals	CE, cURus, TÜV_Süd
Contact type	2 NC
Degree of protection	IP65 (in the front); IP54 (on the rear with plugged-in M12 connector)
Connection type	5-pole M12 connector (integrated), A codd
Contact material	AgNi
Max. operating temperature	-30°C ... 70°C
Mechanical life	50,000 switching cycles
Electrical life (rated load)	50,000 switching cycles
Contact resistance NC	< 50 mOhm
Bouncing time NC	< 10ms
Positive opening contact	acc. to EN60947-5-1, appendix K

Electrical data acc. to IEC/EN 60947-5-1 (VDE 0660 Sect. 200)

	alternate current	direct current
Utilisation category	AC15	DC13
Rated insulation voltage U_i	50 V	50 V
Rated operating voltage U_e	35 V	35 V
Rated operating current I_e	2 A	2 A
Breaking capacity	-	-
Continuous thermal current	2 A	2 A

Additional data

Mounting aperture	22.3 mm
Tightening torque (mounting nut)	1.0 ... 1.9 Nm
Tightening torque (M12-connector)	max. 0.4 Nm
Mounting position	any



Connecting cable	< 30 m
Illumination	24V DC +/- 10%, max. 50mA (bei 24V DC)
Ld	20% (NC)
B10d [cycles]	250,000 (5 V / 6 mA)
Overvoltage category	II
Pollution degree	2
Operating force	approx. 30...40 N (at 20 mm/min)
Release	twist release, left or right

Note

O = NC contact; I = NO contact
 - with switching position indicator
 - illuminated in actuated state

Conditional short circuit Iq: 1,000 A
 Rated impulse withstand voltage Uimp: 2.5 KV (contact element)
 Short circuit means (recommendation): safety fuse 2A gG

Pin assignment 5-pole M12:

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

Safety instructions / mounting instructions

- the connector must not be connected or disconnected under load
- the single connector pin may be loaded with max. 2 A
- not suitable for use under water
- there may not be any mechanical load on the M12 connector, ensure that there is sufficient strain relief!
- use only in dry indoor areas
- the tightening torque information for the fixing nut to be observed, use the mounting tool S22
- observe the operating instructions!

Mounting plate thickness:

Without protective shroud: 1.0...5.0 mm
 Fixing nut: standard nut M15.233.4A

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

- - - subject to alterations - - -

Data acc. to UL

Rating	35 V AC/DC 2 A Ith 2 A, Ui 50 V
Torque	1.0 ... 1.9 Nm (head nut)



