

Emergency-stop



General Data

Type reference	KRBUVOO_M11
Description	Emergency-stop device, ready-for-use
Approvals	CE, UKCA
Contact type	2 NC
Degree of protection	IP65, IP69K (in the front); IP65, IP67 (on the rear)
Operation travel	4.7 mm
Connection type	4-pole M12 4 with PUR cable, A coded; length 25 cm; wires 4 x 0.5 mm ² (AWG21)
Contact material	AgNi
Max. storage temperature	-40°C ... 80°C
Max. operating temperature	-40°C ... 70°C
Mechanical life	50,000 switching cycles
Electrical life (rated load)	50,000 switching cycles at rated load
Contact resistance NC	< 100 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 Ui	50 V	50 V
Rated operating voltage Ue	35 V	35 V
Rated operating current Ie	4 A	2 A
Breaking capacity	10Ie	1,1Ie
Continuous thermal current	4 A	4 A

Additional data

Mounting aperture	30.5mm
Tightening torque (mounting nut)	1.2 ... 2.2 Nm



Release	twist release, left or right
Mounting position	any
Standards	EN 60947-5-1, EN 60947-5-5, EN ISO 13850
IK protection (EN50102)	IK06 (1 Joule)
Panel thickness	1.5...6.0 mm
Shock resistance, IEC 60068-2-27	50g at 11 ms amplitude, semi-sinusoidal
Ld	20% (NC)
B10d [cycles]	250,000 (AC15 35/4A, DC13 35/2A)
Material group	I
Overvoltage category	II
Pollution degree	2
Operating force	approx. 30...40 N (at 20 mm/min)

Note

O = NC contact
Cable length X = 25 cm

- with switching position indicator
- suitable for devices of the protection class II
- red mushroom head made of UV stabilised material
- mounting/protective plate available on request, article no.: KRMW130 (see separate data sheet)

Pin assignment emergency-stop:
Pin 1 Pin 2 Pin 3 Pin 4 Type
NC (1) NC (1) NC (2) NC (2) 2 NC

Approvals:
- planned: VDE or TÜV (acc. to EN60947-5-1/5-5, EN 13850)

Approval (cable): UL (cURus)
Connecting cable with M12 connector article no.: MURR 7072-12021
Material (housing): TPU
Gasket material: TPU molded seal (axial & radial acting)
Coding: A
Sheath colour: black
Outer diameter: 4.9 ± 0.2 mm
Bending radius (rigid) 5x outer diameter
Bending radius (moving) 10x outer diameter
Tightening torque M12 connector: 0.6 Nm

Safety instructions / mounting instructions
- the single connector pin may be loaded with max. 4 A (Ith)
- observe the operating instructions

Additional electrical lifetime specifications:
DC13 12V / 4A (4-pole M12 connector):
Lifetime: 50,000 cycles at 10 operations/minute
B10d: 250,000 / Ld: 20%

DC13 35 V / 3 A:
Lifetime: 20,000 cycles at 10 operations/minute
B10d: 157,500 / Ld: 20%

DC 5V / 6mA:
Lifetime: 20,000 cycles at 15 operations/minute
B10d: 350,000 / Ld: 20%



General information:

- mechanical lifetime acc. to EN 60947-5-5 at Tu -40°...+70°C
- robustness test acc. to EN 60947-5-5 section 7.3.2 at Tu -40°...+40°C
- impact test acc. to EN 60947-5-5 at Tu -30°...+70°C

