

KRBUVOO_KD12

14.04.2023

Emergency-stop



General Data

Type reference	KRBUVOO_KD12
Description	Emergency-stop, foolproof, integrated connecting cable with moulded Deutsch connector AT04-4P
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	connector: Deutsch DT04-4P with 4-wire connecting cable 0.75 mm ² , length X = 150 cm
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	< 150 mOhm
Min. voltage	6 V AC/DC
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	5 A	5 A

Additional data

Mounting aperture	30.5mm
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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)
Media resistance	ISO 16750-5:2010 Road vehicles environmental conditions and testing for electrical and electronic equipment. Part 5: Chemical loads

Note

O = NC contact
Cable length X = 150 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)

Approvals cable: UL/ CSA
Connecting cable with Deutsch connector article no.: MURR 7072-72461-5690150

Material: PUR

Cross section: 4x0.75

Outer diameter 6.5 ±5%

Resistor (conductor) max.: 26 Ohm/km (20 °C)

Colour: black

Resistance: UV resistant, abrasion-proof, ultraflexible

Insulating material group: IEC 60664-1, category III

Connector: Deutsch DT04-4P

Material characteristics (sheath): free of CFC, halogen, cadmium, silicone and lead, matt, low-adhesion, easy mechanical processing, abrasion resistant, resistant to hydrolysis and microbes

Bending radius (rigid) 5x outer diameter

Bending radius (moving) 10x outer diameter

Safety instructions / mounting instructions

- the single connector pin may be loaded with max. 5 A (Ith)
- observe the operating instructions

Additional electrical lifetime specifications:

DC13 12 V / 5 A (Deutsch 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

