

DP-ESTOP-5690050

14.04.2023



General Data

Type reference:	DP-ESTOP-5690050
Description:	Emergency-stop, foolproof, integrated connecting cable with Deutsch connector DT04-4P
Approvals:	CE, UKCA
Contact type:	2 NC
Protection class:	II (protective insulation)
Degree of protection:	IP65, IP69k (front); IP65, IP67 (rear)
Operation travel:	4.7 mm
Connection type:	connector: Deutsch DT04-4P with 4-wire connecting cable 0.75 mm ² , length 60 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:	< 100 mOhm (new state)
Min. voltage:	6 V AC/DC
Bouncing time NC:	< 10ms
Positive opening contact:	acc. to EN60947-5-1, appendix K

Remark to operating instructions

According to the Machinery Directive 2006/42/EG, when commissioning a device or a protective system within the member states of the European Union (EU), the original operating instructions and a translation of these operating instructions in the language(s) of the EU country of use must be supplied.

If this delivery does not include any operating instructions or an EC declaration of conformity in the language of the EU country of use, these can be requested from your dealer (see delivery note) or from the manufacturer (see cover sheet / back page).

The product may only be put into operation by qualified personnel. We also expressly point out that any liability resulting from the device being put into operation without the corresponding operating instructions in the language of the EU country of use and without the documentation (language file) of the EU country of use.

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	4 A	2 A
Breaking capacity	10I _e	1.1I _e
Continuous thermal current	5 A	5 A

Additional data

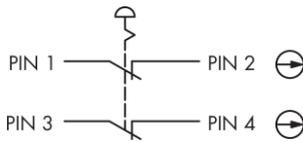
Mounting aperture:	30.5mm
Tightening torque (mounting nut):	1.2 2.2 Nm
Release:	twist release, left or right
Mounting position:	any
Standards:	EN 60947-5-1, EN 60947-5-5, EN ISO 13850
IK protection (EN50102):	IK06 (1 Joule)
Panel thickness:	1.5 6.0 mm
Shock resistance, IEC 60068-2-27:	50g at 11ms amplitude, 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

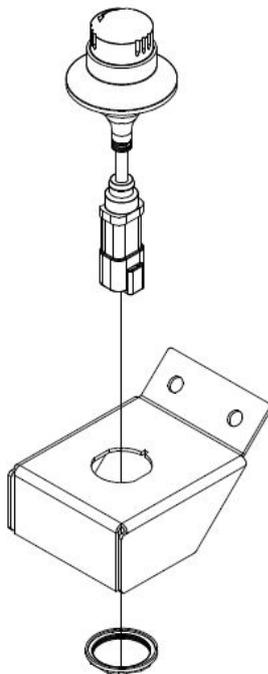
Note

- O = NC contact
- 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 cable

Connecting cable with Deutsch connector article no.:

- Material:
- Cross section:
- Outer diameter
- Resistor (conductor) max.:
- Colour:
- Resistance:
- Insulating material group:
- Connector:
- Material characteristics (sheath):

- UL/ CSA
- MURR 7072-72461-5690150
- PUR
- 4x0.75
- 6.5 ±5%
- 26 Ohm/km (20 °C)
- black
- UV resistant, abrasion-proof, ultraflexible
- IEC 60664-1, category III
- Deutsch DT04-4P
- free of CFC, halogen, cadmium, silicone and lead, matt, low-adhesion, easy mechanical processing, abrasion resistant, resistant to hydrolysis and microbes
- 5× outer diameter
- 10× outer diameter

- Bending radius (rigid)
- Bending radius (moving)

Safety instructions / mounting instructions

- the single connector pin may be loaded with max. 5 A (lth)
- 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

