Your Expert Partner for **Human Machine Interfaces**

Switching element

61-8755.17



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Your product:



61-8755.17
Switching element

ELECTRICAL CHARACTERISTICS

Contacts:	2 NC
Contact resistance:	New state ≤ 50 mΩ, as per DIN/IEC 60512-2-4, measured at 100 mA, 10 V
Rated Operational Voltage Ue:	250 VAC/DC according to EN IEC 60947-1
Rated impulse withstand voltage Uimp:	4 kV, according to EN/IEC 60947-5-1
Rated insulation voltage Ui:	320 VAC, according to EN / IEC 60947-5-1
Recommended minimum operational data:	Voltage 20 VAC/DC Current 100 mA
Switching rating:	250 V AC/DC @ 5 A
Electrical lifetime:	6050 cycles of operation according to EN/IEC 60947-5-5
Electric strength:	4000 VAC, 50 Hz, 1 minute, as per DIN / IEC 60512-2 between all terminals and earth
Overvoltage category:	III, according to EN / IEC 60947-5-1
Pollution degree:	3, according to EN IEC 60947-1
Protection class:	II, according to EN / IEC 61058-1
Standards:	The switches comply with the “Standards for low-voltage switching devices” EN IEC 60947-5-1
Thermal current Ith:	5 A, according to EN / IEC 60947-5-1

MECHANICAL CHARACTERISTICS

Terminal:	Plug-in terminal, 2.8 x 0.5 mm
Contact material:	Silver
Switching system:	Slow-make switching element
Switching system:	Double-break slow-make system, contact opening width 2 x 1.5 mm, with 2 x 2 contact points per switching element. NC-contact elements in the slow-make elements fulfill requirements of switches with forced opening as per EN / IEC 60947-5-12.17.

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Switching positions:	2 positions
Mechanical lifetime:	50 000 cycles of operation
Operating force:	Max. 65 N
Operating Travel:	10 mm
Wire cross section:	1 wire flexible: 0.5 ... 0.75 mm^2 1 wire super flexible: 0.5 mm^2 1 wire rigid: 0.5 ... 1.5 mm^2 2 wires flexible: 0.5 ... 0.75 mm^2 2 wires super flexible: 0.5 mm^2 2 wires rigid: 0.5 ... 1.5 mm^2
Weight:	0.008 kg

AMBIENT CONDITION

IP Protection:	IP40
Operating temperature:	– 25 °C ... + 55 °C
Storage temperature:	– 40 °C ... + 85 °C
Shock resistance:	Max. 100 m / s^2, pulse width, 3-axis (sinusoidal EN IEC 60068-2-27)
Vibration resistance:	Max. 100 m / s^2 from 10 Hz ... 500 Hz, (sinusoidal EN IEC 60068-2-6)
Climate resistance:	Damp heat, cyclic: 96 hours, + 25 °C/97 %, + 55 °C/93 % relative humidity, as per EN IEC 60068-2-30 Damp heat, steady: 56 days, + 40 °C/93 % relative humidity, according to EN IEC 60068-2-78 Rapid change of temperature: 100 cycles, – 40 °C ... + 80 °C, as per EN / IEC 60068-2-14

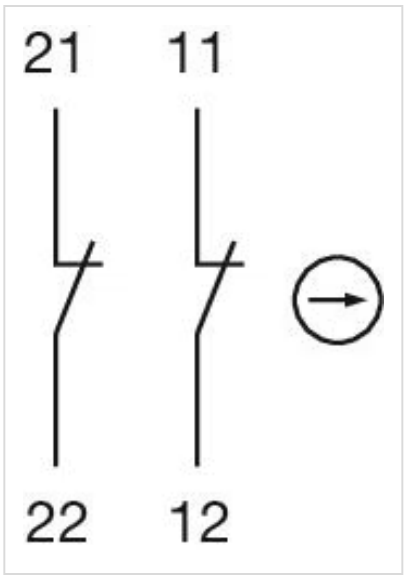
CERTIFICATE

Approbations:	CB (IEC 60947-5-1), CB (IEC 61058-1), CENELEC CCA-NTR (EN 60947-5-1), CQC, CSA, DNV, EAC, ENEC (EN 61058-1), NFF, SEV (EN / IEC 60947-5-1), UL
Conformities:	CE, UKCA, 2011 / 65 / EC (RoHS), 2014 / 35 / EU (LVD)
REACH:	REACH compliant
RoHS:	RoHS compliant

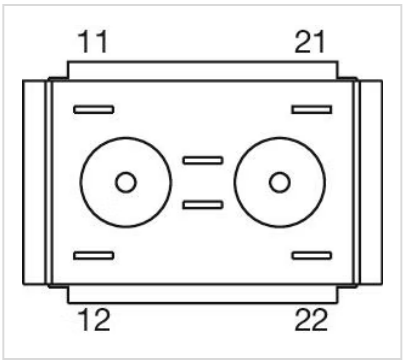
OTHER

Short Description:	Switching element, Slow-make switching element, 250 V AC/DC @ 5 A, Silver, 2 NC, Plug-in terminal, 2.8 x 0.5 mm
Material:	Plastic, according to UL 94 V0
Hints:	Without lamp terminal
Wiring diagrams:	

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Component layouts:



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