

ETLR

11.10.2012

Illuminated contact block, momentary



General Data	
Type reference	ETLR
Description	Illuminated contact block, positive opening contact
Approvals	CCC, CE, cULus, DNVGL, UKCA
Contact type	1 NC + 1 NO
Operation travel	6 mm
Connection type	screw connection: min: 1 x 0.5 mm ² , 2 x 0.5 mm ² max: 2 x 2.5 mm ²
Contact material	AgNi
Max. storage temperature	-50°C ... 70°C
Max. operating temperature	-30°C ... 70°C, without illumination -30°C ... 55°C, using incandescent lamps -30°C ... 65°C, using LEDs
Mechanical life	1 million switching cycles
Electrical life (rated load)	switching cycles: 1 million at 250 V/10(6) A 250,000 at 250 V/16(10) A 500,000 at 250 V/5 A (AC15)
Contact resistance NO	< 20 mOhm (new state)
Contact resistance NC	< 20 mOhm (new state)
Min. current	1 mA
Min. voltage	5 V
Bouncing time NO	< 10ms
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	400 V	400 V
Rated operating voltage U _e	400 V / 250 V	400 V / 250 V / 125 V / 60 V / 24 V
Rated operating current I _e	3 A / 5 A	0.12 A / 0.2 A / 0.4 A / 1 A / 2 A



Breaking capacity	10Ie	1,1Ie
Continuous thermal current	10 A	-

Electrical data acc. to IEC/EN 61058-1 (VDE 0630 Sect. 1)

Rated voltage Ue	250 V~ / 440 V~
Rated current Ie	10(6) A / 6(3) A

Technical Data - Lamp

Lamp socket	BA9s
Max. lamp voltage	250 V
Max. lamp output	2 W
Definition	X1...anode, X2...cathode

General data

Tightening torque (screw terminal)	0.8...1.0 Nm
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Note

Note for emergency-stop contact blocks:
In case of inverters of the Za form (in terms of EN 60947-5-1), only the NC contact must be used for the remotely controlled safety circuit.

- mechanical/electrical life time with foolproof emergency-stop head: 30,000

Data acc. to UL 60947-5-1/ CSA-C22.2 No. 60947-5-1

Rating	Heavy pilot duty, rated 600 V ac, code A600
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