

Date: 13.10.2016

Contact Block: BTL5_538

General Data

Type reference:	BTL5_538
Description:	Illuminated Contact Block
Approvals:	CE
Nature of contact:	2NC + 2NO
Protection class:	II (protective insulation)
Operation travel:	3 mm
Connection type:	Faston terminals 2.8x0.8 mm
Contact material:	AgNi
Max. storage temperature:	-50°C ... 85°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
Contact resistance NO:	< 20 mOhm (new state)
Contact resistance NC:	< 20 mOhm (new state)
Min. current:	1 mA (under laboratory conditions)
Min. voltage:	5 V
Bouncing time NO:	< 10ms
Bouncing time NC:	< 10ms

Electrical data acc. to IEC/EN 60947-5-1 (VDE 0660 Sect. 200)

	alternate current	direct current
Utilisation category:		
Rated operating voltage U _e :	60V~	60V(ind.) / 60V (R) / 50V(R) / 40V(R)
Rated operating current I _e :	3A (inductive)	1A / 3A / 4A / 5A
Continuous thermal current:	6 A	

Technical Data - Lamp

Lamp socket:	T5,5K
Max. lamp voltage:	60V
Max. lamp output:	1.2W
Definition:	X1...anode, X2...cathode

Additional Electrical Data

Overvoltage category:	II
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Note

with additional light guide on the side

Electrical life data:

AC15	60V/3A	1000.000
DC13	24V/5A	50.000
DC13	60V/1A	100.000
DC	40V/5A	100.000 (ohmic load)
DC	50V/4A	100.000 (ohmic load)
DC	60V/3A	100.000 (ohmic load)

Using a flyback diode, the DC lifetime can be considerably increased at inductive load.

Electrical data acc. to IEC/EN 60947-5-1 (VDE 0660 Sect. 200) (additional test)

Utilisation category:	DC13
Rated operating voltage U _e :	12V
Rated operating current I _e :	6A

- subject to alterations -

Breaking capacity: 1,1Ie

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

Rated voltage Ue: 12 V DC

Rated current Ie: 6[6] A

Electrical life (additional test): 50000

- subject to alterations -