

Illuminated Contact Block, maintained BFL5_439

General Data

Type reference	BFL5_439
Description	Illuminated Contact Block
Approvals	CCC, 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
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

Note

Electrical life data:

AC15	60V/3A	1000.000
DC13	24V/5A	35.000
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.
The contacts of the "BZ...439" are, as defined in EN 60947-5-1 app. K, not designed as positive opening contacts. Hence, they are not suitable for emergency-stop applications.

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

Utilisation category	DC13	
Rated operating voltage U_e	12V	60V(ind.) / 60V (R) / 50V(R) / 40V(R)
Rated operating current I_e	6A	1A / 3A / 4A / 5A
Breaking capacity	1,1 I_e	

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

Rated voltage U_e	12 V DC
Rated current I_e	6[6] A

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

Fotografía:



Puntos de activación:

	0	1	2	3
12/11	■	■	■	■
14/13	■	■	■	■
22/21	■	■	■	■
24/23	■	■	■	■

Esquema eléctrico:

