

BFL5_538-02

06.09.2018

General Data

Type reference:	BFL5_538/02
Description:	Illuminated Contact Block
Approvals:	CE
Contact type:	1NC + 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:	500,000 switching cycles
Contact resistance NO:	< 20 mOhm (new condition)
Contact resistance NC:	< 20 mOhm (new condition)
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

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)

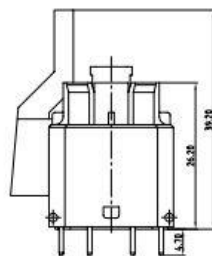
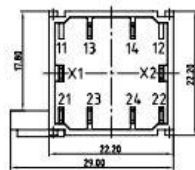
Using a flyback diode, the DC lifetime can be considerably increased at inductive load.

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
Breaking capacity:	1,1I _e

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

Rated voltage U_e :	12 V DC
Rated current I_e :	6[6] A
Electrical life (additional test):	50000



BFL5_538/02

	0	1	2	3
14/13				
22/21				
24/23				