

## Illuminated Contact Block, momentary BTL5

### General Data

Type reference	BTL5
Description	Illuminated Contact Block
Approvals	CCC, cCSAus, ENEC10, VDE, CE, NV, UR
Contact type	1NC + 1NO
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
Electrical life (rated load)	1 million operations
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	< 10 ms

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

	alternate current	direct current
Utilisation category	AC15 B300	DC13 Q300
Rated insulation voltage $U_i$	250 V	300 V
Rated operating voltage $U_e$	250 V	250V / 125V / 60V / 24V
Rated operating current $I_e$	1.5A	0.2A / 0.4A / 1A / 2A
Breaking capacity	10I <sub>e</sub>	1,1I <sub>e</sub>
Continuous thermal current	6 A	

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

Rated voltage $U_e$	250 V~
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Rated current  $I_e$  6(4) 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

Overtoltage category II

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

Utilisation category	DC13	DC13 Q300
Rated operating voltage $U_e$	12V	250V / 125V / 60V / 24V
Rated operating current $I_e$	6A	0.2A / 0.4A / 1A / 2A
Breaking capacity	1,1I <sub>e</sub>	1,1I <sub>e</sub>

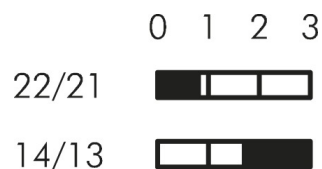
### Electrical data acc. to IEC/EN 61058-1 (VDE 0630 Sect. 1)

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

Illustration:



Switching diagram:



Wiring diagram:

