General Data
Type Reference: BZ...K
Description: Twin Contact Block, separate plungers, positive opening contact
Approvals: CCC, cCSAus, ENEC10, VDE, CE, NV, TÜV_Süd, positive opening contact, UR II (protective insulation)
Protection class: II (protective insulation)
Operation travel: 3 mm
Connection type: screw connection
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 LED’s
Mechanical life:
Electrical life (rated load): 1 m switching cycles
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: < 10 ms
Bouncing time NC: < 10 ms
Positive opening contact: acc. to EN60947-5-1, appendix. K

Electrical data acc. to IEC/EN 60947-5-1 (VDE 0660 Sect. 200)
Utilisation category: alternate current direct current
AC15 B300 DC13 G600
Rated insulation voltage Ui: 250 V 300 V
Rated operating voltage Ue: 250 V 250V / 125V / 60V / 24V
Rated operating current Ie: 1.5A 0.2A / 0.4A / 1A / 2A
Breaking capacity: 10Ie 1,1Ie
Continuous thermal current: 6 A

Electrical data acc. to IEC/EN 61058-1 (VDE 0630 Sect. 1)
Rated voltage Ue: 250 V-
Rated current Ie: 6(4) A

Technical Data - Lamp
Lamp socket: T5,5K / W2x4,6d
Max. lamp voltage: 60V
Max. lamp output: 1.2W
Definition: X1...anode, X2...cathode

Electrical Features
Operational voltage: 20mV ... 42V AC/DC
Switching current: 1mA ... 250mA
Contact resistance (new state): < 50 mOhm

Additional Data
Tightening torque (screw terminal): 0.4 Nm
Mounting Instructions

1.

2.

3.

KLICK

20°
<table>
<thead>
<tr>
<th>Illustration</th>
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<tbody>
<tr>
<td><img src="image" alt="Contact Block, momentary" /></td>
<td>Contact Block, momentary 1NO&lt;br&gt;screw connection 2.5 mm²&lt;br&gt;contact material AgNi</td>
<td>BZIK</td>
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<td><img src="image" alt="Illuminated Contact Block, momentary" /></td>
<td>Illuminated Contact Block, momentary 1NO&lt;br&gt;screw connection 2.5 mm²&lt;br&gt;contact material AgNi</td>
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<td><img src="image" alt="Contact Block, momentary" /></td>
<td>Contact Block, momentary 2NO&lt;br&gt;screw connection 2.5 mm²&lt;br&gt;contact material AgNi</td>
<td>BZIIK</td>
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<td><img src="image" alt="Illuminated Contact Block, momentary" /></td>
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<td>Illuminated Contact Block, momentary 1NC&lt;br&gt;screw connection 2.5 mm²&lt;br&gt;contact material AgNi</td>
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**Contact Blocks**

screw connection 2.5 mm²

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| ![Illustration](image1) | **Illuminated Contact Block, momentary**  
1NC  
screw connection 2.5 mm²  
lamp socket T5,5K  
suitable actuators  
contact material AgNi  | BZLOSK |
| ![Illustration](image2) | **Contact Block, momentary**  
2NC  
screw connection 2.5 mm²  
suitable actuators  
contact material AgNi  | BZOOK |
| ![Illustration](image3) | **Illuminated Contact Block, momentary**  
2NC  
screw connection 2.5 mm²  
lamp socket W2x4,6d  
suitable actuators  
contact material AgNi  | BZLOOK |
| ![Illustration](image4) | **Illuminated Contact Block, momentary**  
2NC  
screw connection 2.5 mm²  
lamp socket T5,5K  
suitable actuators  
contact material AgNi  | BZLOOSK |
| ![Illustration](image5) | **Contact Block, momentary**  
1NC + 1NO  
screw connection 2.5 mm²  
suitable actuators  
contact material AgNi  | BZOIK |
| ![Illustration](image6) | **Illuminated Contact Block, momentary**  
1NC + 1NO  
screw connection 2.5 mm²  
lamp socket W2x4,6d  
suitable actuators  
contact material AgNi  | BZLOIK |
| ![Illustration](image7) | **Illuminated Contact Block, momentary**  
1NC + 1NO  
screw connection 2.5 mm²  
lamp socket T5,5K  
suitable actuators  
contact material AgNi  | BZLOISK |
### Contact Blocks

**Contact Blocks**

screw connection 2.5 mm²

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<tr>
<td><img src="image1.png" alt="Image" /></td>
<td><strong>Ultra-bright LED, W2x4,6d socket, 12V</strong>&lt;br&gt;with half-wave rectifier, for 12 V AC/DC&lt;br&gt;(6/12 mA)&lt;br&gt;When connecting to DC, the correct polarity must be observed:&lt;br&gt;(+ \ldots X1/- \ldots X2)&lt;br&gt;storage temperature:&lt;br&gt;-25°C … +80°C&lt;br&gt;ambient temperature:&lt;br&gt;-20°C … +60°C&lt;br&gt;voltage tolerance:&lt;br&gt;+ 10 %&lt;br&gt;colour white</td>
<td>L2X4,6-12UW</td>
</tr>
<tr>
<td><img src="image2.png" alt="Image" /></td>
<td><strong>Ultra-bright LED, W2x4,6d socket, 24V</strong>&lt;br&gt;with half-wave rectifier, for 24 V AC/DC&lt;br&gt;(2/4 mA)&lt;br&gt;When connecting to DC, the correct polarity must be observed:&lt;br&gt;(+ \ldots X1/- \ldots X2)&lt;br&gt;storage temperature:&lt;br&gt;-25°C … +80°C&lt;br&gt;ambient temperature:&lt;br&gt;-20°C … +60°C&lt;br&gt;voltage tolerance:&lt;br&gt;+ 10 %&lt;br&gt;colour white</td>
<td>L2X4,6-24UW</td>
</tr>
<tr>
<td><img src="image3.png" alt="Image" /></td>
<td><strong>Ultra-bright LED, T5,5K socket, 12V</strong>&lt;br&gt;with integrated series resistor and half-wave rectifier, for 12 V AC/DC&lt;br&gt;(7/14 mA)&lt;br&gt;When connecting to DC, the correct polarity must be observed:&lt;br&gt;(+ \ldots X1/- \ldots X2)&lt;br&gt;storage temperature:&lt;br&gt;-25°C … +80°C&lt;br&gt;ambient temperature:&lt;br&gt;-20°C … +60°C&lt;br&gt;voltage tolerance:&lt;br&gt;+ 10 %&lt;br&gt;colour white</td>
<td>L5,5K12UW</td>
</tr>
<tr>
<td><img src="image4.png" alt="Image" /></td>
<td><strong>Ultra-bright LED, T5,5K socket, 24V</strong>&lt;br&gt;with integrated series resistor and half-wave rectifier, for 24 V AC/DC&lt;br&gt;(7/14 mA)&lt;br&gt;When connecting to DC, the correct polarity must be observed:&lt;br&gt;(+ \ldots X1/- \ldots X2)&lt;br&gt;storage temperature:&lt;br&gt;-25°C … +80°C&lt;br&gt;ambient temperature:&lt;br&gt;-20°C … +60°C&lt;br&gt;voltage tolerance:&lt;br&gt;+ 10 %&lt;br&gt;colour white</td>
<td>L5,5K24UW</td>
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### Contact Blocks

#### screw connection 2.5 mm²

<table>
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<tbody>
<tr>
<td><img src="image1.png" alt="Image" /></td>
<td><strong>Two-colour LED, T5.5K socket - 24V</strong></td>
<td><strong>L5.5K24RG</strong></td>
</tr>
</tbody>
</table>
| ![Image](image2.png) | with integrated series resistor  
colour dependent on polarity  
Storage temperature:  
-25°C ... +80°C  
Ambient temperature:  
-20°C ... +60°C  
Voltage tolerance: + 10%  
Colour: red/green  
Rated current [mA]: 14/13  
Brightness [mcd]: 2300/650  
Dominant wavelength: [nm] 625/525 |
| ![Image](image3.png) | **Ultra-bright LED** | **LED3UW** |
| ![Image](image4.png) | solder pins, grid 2.54 mm  
ready-made for CTP_485  
3680 mcd  
white |
| ![Image](image5.png) | **LED Adapter** | **LA5.5** |
| ![Image](image6.png) | for LEDs of 3 and 5 mm Ø to be used in  
T5.5K sockets,  
an external resistor must be provided.  
lamp socket T5.5K |
| ![Image](image7.png) | **Voltage Reducer (for LEDs)** | **VE_LED230** |
| ![Image](image8.png) | Faston terminals 2.8x0.8 mm  
to operate a LED at 230V AC |
| ![Image](image9.png) | **Cable Set with wire end ferrules** | **VE_VKAE** |
| ![Image](image10.png) | suitable for VE_LED230 |