General Data
Type Reference: BZ... (without screw connection)
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)
Operation travel: 3 mm
Connection type: Faston terminals 2.8x0.8 mm / PCB-mount terminals
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
Protection class: II (protective insulation)
Mechanical life: 1 m switching cycles
Electrical life (rated load): 1 m operations at rated load
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: < 10ms
Bouncing time NC: < 10ms
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 DC13 G600
Rated insulation voltage Ui: 250 V 300 V
Rated operating voltage Ue: 250 V 250V / 125V / 60V / 24V
Rated operating current le: 1.5A 0.2A / 0.4A / 1A / 2A
Breaking capacity: 10le 1,1le
Continuous thermal current: 6 A

Electrical data acc. to IEC/EN 61058-1 (VDE 0630 Sect. 1)
Rated voltage Ue: 250 V-
Rated current le: 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
Mounting Instructions

1.

2.

3. KLICK 20°
## Contact Blocks

Faston terminals 2.8x0.8 mm

<table>
<thead>
<tr>
<th>Illustration</th>
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<tr>
<td><img src="image1" alt="Contact Block, momentary 1NO" /></td>
<td><strong>Contact Block, momentary 1NO</strong> Faston terminals 2.8x0.8 mm suitable plug-in socket XAP411</td>
<td><strong>BZI</strong></td>
</tr>
<tr>
<td><img src="image2" alt="Illuminated Contact Block, momentary 1NO" /></td>
<td><strong>Illuminated Contact Block, momentary 1NO</strong> Faston terminals 2.8x0.8 mm suitable plug-in socket XAP611 lamp socket W2x4,6d</td>
<td><strong>BZLI</strong></td>
</tr>
<tr>
<td><img src="image3" alt="Illuminated Contact Block, momentary 1NO" /></td>
<td><strong>Illuminated Contact Block, momentary 1NO</strong> Faston terminals 2.8x0.8 mm suitable plug-in socket XAP611 lamp socket T5,5K</td>
<td><strong>BZLII</strong></td>
</tr>
<tr>
<td><img src="image4" alt="Contact Block, momentary 2NO" /></td>
<td><strong>Contact Block, momentary 2NO</strong> Faston terminals 2.8x0.8 mm suitable plug-in socket XAP411</td>
<td><strong>BZI</strong></td>
</tr>
<tr>
<td><img src="image5" alt="Illuminated Contact Block, momentary 2NO" /></td>
<td><strong>Illuminated Contact Block, momentary 2NO</strong> Faston terminals 2.8x0.8 mm suitable plug-in socket XAP611 lamp socket W2x4,6d</td>
<td><strong>BZLI</strong></td>
</tr>
<tr>
<td><img src="image6" alt="Illuminated Contact Block, momentary 2NO" /></td>
<td><strong>Illuminated Contact Block, momentary 2NO</strong> Faston terminals 2.8x0.8 mm suitable plug-in socket XAP611 lamp socket T5,5K</td>
<td><strong>BZLI</strong></td>
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*Contact Blocks are made in Germany.*
## Contact Blocks

**Faston terminals 2.8x0.8 mm**

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Faston terminals 2.8x0.8 mm  
suitable plug-in socket XAP4  
suitable actuators  
contact material AgNi  
contact material AgNi, gold-plated  
BZO  
BZO_AU |
| ![Illuminated Contact Block, momentary 1NC](image) | Illuminated Contact Block, momentary 1NC  
Faston terminals 2.8x0.8 mm  
suitable plug-in socket XAP6  
lamp socket W2x4,6d  
suitable actuators  
contact material AgNi  
contact material AgNi, gold-plated  
BZLO  
BZLO_AU |
| ![Illuminated Contact Block, momentary 1NC](image) | Illuminated Contact Block, momentary 1NC  
Faston terminals 2.8x0.8 mm  
suitable plug-in socket XAP6  
lamp socket T5,5K  
suitable actuators  
contact material AgNi  
contact material AgNi, gold-plated  
BZLO5  
BZLO5_AU |
| ![Contact Block, momentary 2NC](image) | Contact Block, momentary 2NC  
Faston terminals 2.8x0.8 mm  
suitable plug-in socket XAP4  
suitable actuators  
contact material AgNi  
contact material AgNi, gold-plated  
BZOO  
BZOO_AU |
| ![Illuminated Contact Block, momentary 2NC](image) | Illuminated Contact Block, momentary 2NC  
Faston terminals 2.8x0.8 mm  
suitable plug-in socket XAP6  
lamp socket W2x4,6d  
suitable actuators  
contact material AgNi  
contact material AgNi, gold-plated  
BZLOO  
BZLOO_AU |
| ![Illuminated Contact Block, momentary 2NC](image) | Illuminated Contact Block, momentary 2NC  
Faston terminals 2.8x0.8 mm  
suitable plug-in socket XAP6  
lamp socket T5,5K  
suitable actuators  
contact material AgNi  
contact material AgNi, gold-plated  
BZLOOS  
BZLOOS_AU |
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<td><img src="contact-block.png" alt="Contact Block, momentary" /></td>
<td>Contact Block, momentary 1NC + 1NO Faston terminals 2.8x0.8 mm suitable plug-in socket XAP601 contact material AgNi, gold-plated BZOI_AU</td>
<td></td>
</tr>
<tr>
<td><img src="illuminated-contact-block.png" alt="Illuminated Contact Block, momentary" /></td>
<td>Illuminated Contact Block, momentary 1NC + 1NO Faston terminals 2.8x0.8 mm suitable plug-in socket XAP601 lamp socket W2x4,6d contact material AgNi, gold-plated BZLOI_AU</td>
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<td><img src="illuminated-contact-block.png" alt="Illuminated Contact Block, momentary" /></td>
<td>Illuminated Contact Block, momentary 1NC + 1NO Faston terminals 2.8x0.8 mm suitable plug-in socket XAP601 lamp socket T5,5K contact material AgNi, gold-plated BZLOI5_AU</td>
<td></td>
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<td><img src="contact-block.png" alt="Contact Block, momentary" /></td>
<td>Contact Block, momentary 2NC + 2NO Faston terminals 2.8x0.8 mm suitable actuators contact material AgNi BZ_494</td>
<td></td>
</tr>
<tr>
<td><img src="plug-in-socket.png" alt="Plug-in Socket" /></td>
<td>Plug-in Socket PCB-mount terminals with 6 pins XAP6</td>
<td></td>
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<tr>
<td><img src="image1.png" alt="Diagram XAP4" /></td>
<td><strong>Plug-in Socket</strong>&lt;br&gt;PCB-mount terminals with 4 pins</td>
<td>XAP4</td>
</tr>
<tr>
<td><img src="image2.png" alt="Diagram XAP611" /></td>
<td><strong>Plug-in Socket</strong>&lt;br&gt;PCB-mount terminals with 6 pins</td>
<td>XAP611</td>
</tr>
<tr>
<td><img src="image3.png" alt="Diagram XAP601" /></td>
<td><strong>Plug-in Socket</strong>&lt;br&gt;PCB-mount terminals with 6 pins</td>
<td>XAP601</td>
</tr>
<tr>
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<tr>
<td><img src="image" alt="Plug-in Socket" /></td>
<td>Plug-in Socket with 4 pins</td>
<td>XAP411</td>
</tr>
<tr>
<td><img src="image" alt="Insulating Case" /></td>
<td>Insulating Case IH2.8 for Faston clamp FH2.8, slip on from the front</td>
<td>IH2.8</td>
</tr>
<tr>
<td><img src="image" alt="Faston Clamp" /></td>
<td>Faston Clamp 2.8 x 0.8 mm with snap-in pin</td>
<td>FH2.8</td>
</tr>
<tr>
<td><img src="image" alt="Double Faston" /></td>
<td>Double Faston for the connection of 2 Faston clamps FH2.8</td>
<td>FD2.8</td>
</tr>
<tr>
<td><img src="image" alt="Ultra-bright LED, W2x4,6d socket, 12V" /></td>
<td>Ultra-bright LED, W2x4,6d socket, 12V with half-wave rectifier, for 12 V AC/DC (6/12 mA) When connecting to DC, the correct polarity must be observed: + ... X1/- ... X2 storage temperature: -25°C ... +80°C ambient temperature: -20°C ... +60°C voltage tolerance: + 10 % colour white</td>
<td>L2X4,6-12UW</td>
</tr>
<tr>
<td><img src="image" alt="Ultra-bright LED, W2x4,6d socket, 24V" /></td>
<td>Ultra-bright LED, W2x4,6d socket, 24V with half-wave rectifier, for 24 V AC/DC (2/4 mA) When connecting to DC, the correct polarity must be observed: + ... X1/- ... X2 storage temperature: -25°C ... +80°C ambient temperature: -20°C ... +60°C voltage tolerance: + 10 % colour white</td>
<td>L2X4,6-24UW</td>
</tr>
<tr>
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<tr>
<td><img src="image1" alt="Ultra-bright LED, T5,5K socket, 12V" /></td>
<td><strong>Ultra-bright LED, T5,5K socket, 12V</strong> with integrated series resistor and half-wave rectifier, for 12 V AC/DC (7/14 mA) When connecting to DC, the correct polarity must be observed: + ... X1/ ... X2 storage temperature: -25°C ... +80°C ambient temperature: -20°C ... +60°C voltage tolerance: + 10 % colour white</td>
<td>L5,5K12UW</td>
</tr>
<tr>
<td><img src="image2" alt="Ultra-bright LED, T5,5K socket, 24V" /></td>
<td><strong>Ultra-bright LED, T5,5K socket, 24V</strong> with integrated series resistor and half-wave rectifier, for 24 V AC/DC (7/14 mA) When connecting to DC, the correct polarity must be observed: + ... X1/ ... X2 storage temperature: -25°C ... +80°C ambient temperature: -20°C ... +60°C voltage tolerance: + 10 % colour white</td>
<td>L5,5K24UW</td>
</tr>
<tr>
<td><img src="image3" alt="Two-colour LED, T5,5K socket - 24V" /></td>
<td><strong>Two-colour LED, T5,5K socket - 24V</strong> 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 colour red/green</td>
<td>L5,5K24RG</td>
</tr>
<tr>
<td><img src="image4" alt="Ultra-bright LED solder pins, grid 2.54 mm" /></td>
<td><strong>Ultra-bright LED solder pins, grid 2.54 mm</strong> ready-made for CTP_485 3680 mcd white</td>
<td>LED3UW</td>
</tr>
<tr>
<td><img src="image5" alt="LED Adapter" /></td>
<td><strong>LED Adapter</strong> 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</td>
<td>LA5,5</td>
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## Contact Blocks

Faston terminals 2.8x0.8 mm

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<td><strong>Voltage Reducer (for LEDs)</strong>&lt;br&gt;Faston terminals 2.8x0.8 mm&lt;br&gt;to operate a LED at 230V AC</td>
<td><strong>VE_LED230</strong></td>
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<tr>
<td><img src="image_url" alt="Illustration" /></td>
<td><strong>Cable Set with Faston connections</strong>&lt;br&gt;suitable for <strong>VE_LED230</strong></td>
<td><strong>VE.VK2,8</strong></td>
</tr>
<tr>
<td><img src="image_url" alt="Illustration" /></td>
<td><strong>Cable Set with wire end ferrules</strong>&lt;br&gt;suitable for <strong>VE_LED230</strong></td>
<td><strong>VE.VKAE</strong></td>
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