General Data
Type Reference: CT...
Description: Electronic Contact Block with snap action
Approvals: CCC, cCSAus, NV, CE
Protection class: II (protective insulation)
Operation travel: 3 mm
Connection type: Faston terminals 2.8x0.8 mm
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 m switching cycles
Electrical life (rated load): 1 m operations at rated load
Contact resistance NO: < 50 mOhm (new state)
Contact resistance NC: < 100 mOhm (new state)
Bouncing time NO: < 10 ms
Bouncing time NC: < 10 ms

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

Electrical Features
Rated voltage: 20mV ... 48V AC/DC
Rated current: 0.01mA ... 100mA

Note
Faston terminals 2.8x0.8mm are not suitable for manual soldering.

Electrical data acc. to IEC/EN 60947-5-1 (VDE 0660 Sect. 200)
Utilisation category: AC12, DC12
Rated insulation voltage Ui: 60V 60V
Rated operating voltage Ue: 48V 48V
Rated operating current Ie: 0.1A 0.1A
Continuous thermal current: 100mA 100mA

Remark
GB14048.5-2008 (IEC60947-5-1)

Elektrische Daten nach C22.2 No. 14-10
Rated voltage: 20mV ... 48V AC/DC
Rated current: 0.01mA ... 100mA
Mounting Instructions

1.

2.

3.
<table>
<thead>
<tr>
<th>Illustration</th>
<th>Description</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image1" alt="Contact Unit, momentary 2 inverters" /></td>
<td>Faston terminals 2.8x0.8 mm 2 independent single-circuit inverters suitable plug-in socket CAP6</td>
<td>CT2</td>
</tr>
<tr>
<td><img src="image2" alt="Illuminated Contact Unit, momentary 2 inverters" /></td>
<td>Faston terminals 2.8x0.8 mm 2 independent single-circuit inverters suitable plug-in socket CAP8</td>
<td>CTL2</td>
</tr>
<tr>
<td><img src="image3" alt="Contact Unit with two-piece plunger, momentary 2 inverters" /></td>
<td>Faston terminals 2.8x0.8 mm 2 independent single-circuit inverters suitable plug-in socket CAP6</td>
<td>CT2_549</td>
</tr>
<tr>
<td><img src="image4" alt="Illuminated Contact Block with separate plungers, momentary 2 inverters" /></td>
<td>Faston terminals 2.8x0.8 mm 2 independent single-circuit inverters suitable plug-in socket CAP8</td>
<td>CTL2_549</td>
</tr>
</tbody>
</table>
## Contact Blocks

### Faston terminals 2.8x0.8 mm

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<thead>
<tr>
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</table>
| ![Image](image1.png) | **Plug-in Socket**  
PCB-mount terminals  
with 8 contact pins to fit CTL2 contact unit | **CAP8** |
| ![Image](image2.png) | **Plug-in Socket**  
PCB-mount terminals  
with 6 contact pins to fit CT2 contact unit | **CAP6** |
| ![Image](image3.png) | **Insulating Case**  
for Faston clamp FH2.8, slip on from the front | **IH2.8** |
| ![Image](image4.png) | **Faston Clamp 2.8 x 0.8 mm with snap-in pin**  
Cross section 0.75 - 1.50 mm², tin-plated brass, with pin to snapfit into the sockets XA, XAL and the insulating case IH2.8 | **FH2.8** |
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<tr>
<td><img src="image1.png" alt="Image" /></td>
<td><strong>Double Faston</strong>&lt;br&gt;for the connection of 2 Faston clamps&lt;br&gt;FH2.8</td>
<td><strong>FD2.8</strong></td>
</tr>
<tr>
<td><img src="image2.png" alt="Image" /></td>
<td><strong>Ultra-bright LED, T5,5K socket, 12V</strong>&lt;br&gt;with integrated series resistor&lt;br&gt;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; + ... X1/- ... 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</td>
<td><strong>L5,5K12UW</strong></td>
</tr>
<tr>
<td><img src="image3.png" alt="Image" /></td>
<td><strong>Ultra-bright LED, T5,5K socket, 24V</strong>&lt;br&gt;with integrated series resistor&lt;br&gt;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; + ... X1/- ... 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</td>
<td><strong>L5,5K24UW</strong></td>
</tr>
<tr>
<td><img src="image4.png" alt="Image" /></td>
<td><strong>Two-colour LED, T5,5K socket - 24V</strong>&lt;br&gt;with integrated series resistor&lt;br&gt;colour dependent on polarity&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:+ 10 %&lt;br&gt;Colour: red green&lt;br&gt;Rated current [mA]: 14 13&lt;br&gt;Brightness [mcd]: 2300 650&lt;br&gt;Dominant wavelength: [nm] 625 525</td>
<td><strong>L5,5K24RG</strong></td>
</tr>
<tr>
<td><img src="image5.png" alt="Image" /></td>
<td><strong>Ultra-bright LED</strong>&lt;br&gt;solder pins, grid 2.54 mm&lt;br&gt;ready-made for CTP_485&lt;br&gt;3680 mcd white&lt;br&gt;led3uw gl</td>
<td><strong>LED3UW</strong></td>
</tr>
<tr>
<td><img src="image6.png" alt="Image" /></td>
<td><strong>LED Adapter</strong>&lt;br&gt;for LEDs of 3 and 5 mm Ø to be used in T5,5K sockets, an external resistor must be provided.&lt;br&gt;lamp socket T5,5K</td>
<td><strong>LA5,5</strong></td>
</tr>
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