**General Data**

Type Reference: CTP...
Description: Electronic Contact block, PCB-mount terminals, with snap action
Approvals: CCC, cCSAus, NV, CE
Protection class: II (protective insulation)
Operation travel: 3 mm
Connection type: PCB-mount terminals
Contact material: gold-plated 1.5μm
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: < 10ms
Bouncing time NC: < 10ms

**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

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

<table>
<thead>
<tr>
<th>Utilisation category</th>
<th>AC12</th>
<th>DC12</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rated insulation voltage Ui</td>
<td>60V</td>
<td>60V</td>
</tr>
<tr>
<td>Rated operating voltage Ue</td>
<td>48V</td>
<td>48V</td>
</tr>
<tr>
<td>Rated operating current Ie</td>
<td>0.1A</td>
<td>0.1A</td>
</tr>
<tr>
<td>Continuous thermal current</td>
<td>100mA</td>
<td>100mA</td>
</tr>
</tbody>
</table>

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

**Elektrische Daten nach C22.2 No. 14-10**

<table>
<thead>
<tr>
<th>Rated voltage</th>
<th>20mV ... 48V AC/DC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rated current</td>
<td>0.01mA ... 100mA</td>
</tr>
</tbody>
</table>
Mounting Instructions

1.

2.

3.
<table>
<thead>
<tr>
<th>Illustration</th>
<th>Description</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Contact Unit, momentary 1 inverter</td>
<td>PCB-mount terminals</td>
<td>CTP_485</td>
</tr>
<tr>
<td>Illuminated Contact Unit, momentary 1 inverter</td>
<td>PCB-mount terminals, lamp socket T5.5K</td>
<td>CTLP_485</td>
</tr>
<tr>
<td>Lampholder</td>
<td>PCB-mount terminals</td>
<td>CLP_485</td>
</tr>
<tr>
<td>Illustration</td>
<td>Description</td>
<td>Type</td>
</tr>
<tr>
<td>--------------</td>
<td>-------------</td>
<td>------</td>
</tr>
<tr>
<td><img src="image1" alt="Contact Unit, momentary, with 2-colour LED red/green" /></td>
<td>Contact Unit, momentary, with 2-colour LED red/green</td>
<td>CTFS_24R_G</td>
</tr>
<tr>
<td><img src="image2" alt="Contact Unit, momentary, incl. RGB LED" /></td>
<td>Contact Unit, momentary, incl. RGB LED</td>
<td>CTFS_24RGB</td>
</tr>
<tr>
<td><img src="image3" alt="Assembled PCB Strips" /></td>
<td>Assembled PCB Strips</td>
<td>PCD3012</td>
</tr>
<tr>
<td><img src="image4" alt="Ultra-bright LED, T5,5K socket, 12V" /></td>
<td>Ultra-bright LED, T5,5K socket, 12V</td>
<td>L5,5K12UW</td>
</tr>
<tr>
<td>Illustration</td>
<td>Description</td>
<td>Type</td>
</tr>
<tr>
<td>--------------</td>
<td>-------------</td>
<td>------</td>
</tr>
</tbody>
</table>
| ![Ultra-bright LED](image1) | **Ultra-bright LED, T5.5K socket, 24V**  
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 | **L5,5K24UW** |
| ![Two-colour LED](image2) | **Two-colour LED, T5.5K socket - 24V**  
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 | **L5,5K24RG** |
| ![Ultra-bright LED](image3) | **Ultra-bright LED**  
solder pins, grid 2.54 mm ready-made for CTP_485  
3680 mcd white | **LED3UW** |
| ![LED Adapter](image4) | **LED Adapter**  
for LEDs of 3 and 5 mm Ø to be used in T5.5K sockets, an external resistor must be provided.  
lamp socket | **LA5.5** |