General Data


Description: Contact Block for base-plate mounting, with positive opening contact

Approvals: CE, TÜV_Süd

Nature of contact: 2NC / 1NC+1NO / 2NO / 2NC+1NO / 1NC+2NO / 3NO / 3NC

Operation travel: 2.3 mm

Connection type: PCB-mount terminals

Contact material: AgNi / AgNi, gold-plated 5μm

Max. storage temperature: -40°C ... 80°C

Max. operating temperature: -25°C ... 70°C

Mechanical life: 1 m switching cycles

Electrical life (rated load): < 20 mOhm/< 50 mOhm (Au)

Contact resistance NO: < 20 mOhm/< 50 mOhm (Au)

Contact resistance NC: 1 m (under laboratory conditions)

Min. current: 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: AC15 B300

Rated insulation voltage Ui: 250 V

Rated operating voltage Ue: 120V

Rated operating current Ie: 1.5A / 3A

Breaking capacity: 10e

Continuous thermal current: 5A

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: none, with integrated LED

Max. lamp voltage: 30 V AC/DC (*1)

Definition: X1...anode, X2...cathode

Electrical Features

Switching voltage: 20mV ... 42V AC/DC

Switching current: 1mA ... 250mA

Note

R0=LED without series resistor

Contact elements for pushbutton actuator (OIT)(OOIT)(OIT)(IIIT) with bridged plunger (“T”)

The contact unit is snapped into the actuator neck.

Spacer sleeves ensure the correct distance between PCB and mounting plate.

DC13 life-time: 100,000 at max. load, 10 operations/min

Illuminated versions (LED): Overvoltage category II (2.5kV), pollution degree 2

Versions with third contact: Overvoltage category II (2.5kV), pollution degree 2

(*1) does not apply to the types “..._R0”
**General Data**

Type Reference: PCTS(L)(_R0)
Description: Contact Block for base-plate mounting
Approvals: CE
Nature of contact: 1 inverter
Operation travel: 2.3 mm
Connection type: PCB-mount terminals
Max. storage temperature: -40°C ... 80°C
-25°C ... 70°C
Mechanical life: 1 m switching cycles
Connection type: 1 m operations at rated load
Contact material: gold-plated 1.5μm
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: none, with integrated 3 mm LED
Max. lamp voltage: 30 V AC/DC (*1)
Definition: X1...anode, X2...cathode

**Electrical Features**

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

**Note**

RO= LED without series resistor

The contact unit is snapped into the actuator neck.
Spacer sleeves ensure the correct distance between PCB and mounting plate.

(*1) does not apply to the types “…_R0”
Mounting Instructions

1. 

![Diagram 1]

2. 

![Diagram 2]

3. 

secured captive nuts

![Diagram 3]
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<td>PCB-mount terminals suitable actuators</td>
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<td>contact material AgNi, gold-plated</td>
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<tr>
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<td>suitable actuators</td>
<td>PCTS</td>
</tr>
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