

## PTSOI

16.06.2023

### Contact block, momentary



#### General Data

Type reference:	PTSOI
Description:	Contact block for base-plate mounting, with positive opening contact
Approvals:	CCC, CE, cURus, ENEC10, VDE, TÜV_Süd, UKCA
Contact type:	1 NC + 1 NO
Degree of protection:	IP00
Operation travel:	2.3 mm
Connection type:	PCB-mount terminals
Contact material:	AgNi
Max. storage temperature:	-40°C ... 80°C
Max. operating temperature:	-25°C ... 70°C
Mechanical life:	1 million switching cycles
Electrical life (rated load):	1 million switching cycles at rated load AC
Contact resistance NO:	< 20 mOhm (new state)
Contact resistance NC:	< 20 mOhm (new state)
Min. current:	1 mA (under laboratory conditions)
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)

	alternate current	direct current
Utilisation category	AC15 B300	DC13 Q300
Rated insulation voltage $U_i$	250 V	250 V
Rated operating voltage $U_e$	240 V / 120 V	250 V / 125 V / 60 V / 24 V
Rated operating current $I_e$	1.5 A / 3 A	0.27 A / 0.55 A / 1 A / 2 A
Breaking capacity	10I <sub>e</sub>	1,1I <sub>e</sub>
Continuous thermal current	5 A	

#### Electrical data acc. to IEC/EN 61058-1 (VDE 0630 Sect. 1)

Rated voltage $U_e$ :	250 V~
Rated current $I_e$ :	6(4) A

#### Additional data

Pollution degree :	2
Overtoltage category:	II
Rated impulse voltage:	2.5 kV
Soldering method:	wave and manual soldering

**Note**

O = NC contact; I = NO contact

The contact block is being plugged into the neck of the pushbutton/switch head;  
Spacer sleeves ensure the correct distance of the connection between PCB and mounting plate.  
The fixing nut must be secured against loosening.

DC13: > 100.000 switching cycles

**Installation instruction:**

The position offset between the operator element and the switching element must be in a  $\varnothing 0.2$  mm circle

**Data acc. to UL508**

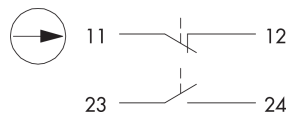
Rating:

Pilot duty B300; 24Vdc/3A

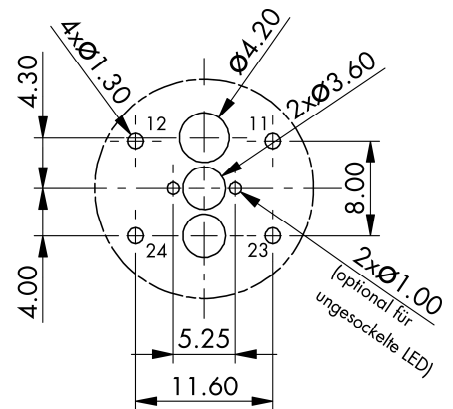
**Operating travel diagram**



**Circuit diagram**



**Drilling pattern**



Sicht auf Bestückungsseite  
der Leiterplatte