

PTSO

16.12.2021

Contact block, momentary

General Data

Type reference	PTSO
Description	Contact block for base-plate mounting, with positive opening contact
Approvals	CCC, CE, cURus, ENEC10, VDE, TÜV_Süd, UKCA
Contact type	1 NC
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 NC	< 20 mOhm (new state)
Min. current	1 mA (under laboratory conditions)
Min. voltage	5 V
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 _e	1,1I _e
Continuous thermal current	5 A	-

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


Rated voltage Ue	250 V~
Rated current Ie	6(4) A

Additional data

Soldering method	wave and manual soldering
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Note

O = NC 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 life time: 100.000 at max. load, 10 operations/minute

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; 24 V dc/3 A
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