

PTSLI

16.06.2023

Illuminated contact block, momentary



General Data

Type reference:	PTSLI
Description:	Illuminated contact block for base-plate mounting
Approvals:	CCC, CE, cURus, ENEC10, VDE, UKCA
Contact type:	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)
Min. current:	1 mA (under laboratory conditions)
Min. voltage:	5 V
Bouncing time NO:	< 10ms

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

Technical Data - Lamp

Lamp socket:	none, with integrated LED
Max. lamp voltage:	30 V AC/DC
Max. lamp output:	14 mA (at 24 V DC)
Definition:	X1...anode, X2...cathode

Additional data

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

Note

I = NO contact

The contact unit is being snapped into 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

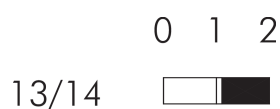
Installation instruction:

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

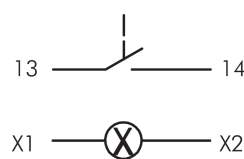
Data acc. to UL508

Rating: Pilot duty B300; 24Vdc/3A

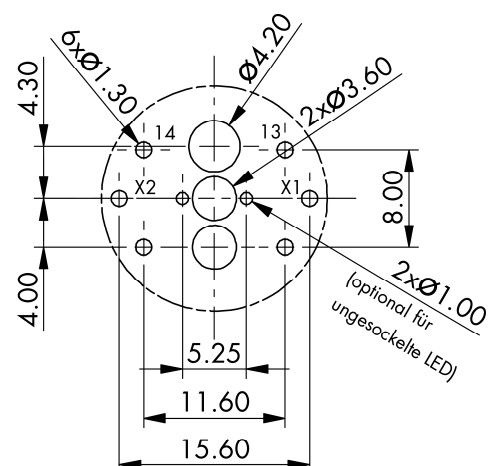
Operating travel diagram



Circuit diagram



Drilling pattern



Sicht auf Bestückungsseite
 der Leiterplatte