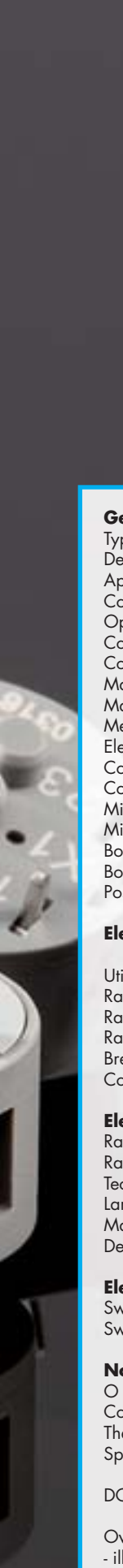

24
X2
14
13



General Data

Type reference:	PTS(L)(OO)(II)(OI)(OIT)(OOI)(OOIT)(OOO)(OII)(OIIT)(III)(IIIT)(_AU)(_R0)
Description:	Contact block for base-plate mounting, with positive opening contact
Approvals:	CE, cURus, TÜV_Süd
Contact type:	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 million switching cycles
Electrical life (rated load):	1 million operations at rated load AC
Contact resistance NO:	< 20 mOhm/< 50 mOhm (Au)
Contact resistance NC:	< 20 mOhm/< 50 mOhm (Au)
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 Ui:	250 V	250V
Rated operating voltage Ue:	240V / 120V	250V / 125V / 60V / 24V
Rated operating current Ie:	1.5A / 3A	0.27 A / 0.55 A / 1 A / 2 A
Breaking capacity:	10Ie	1,1Ie
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 - 5µm gold-plating, type addition _AU

Switching voltage:	20mV ... 42V AC/DC
Switching current:	1mA ... 250mA

Note

O = NC contact; I = NO contact; R0=LED without series resistor
Contact elments for momentary pushbuttons (OIT)(OOIT)(OIIT)(IIIT) with bridged plunger ("T")
The contact block is being plugged into the neck of the pushbutton head;
Spacer sleeves ensure the correct distance of the connection between PCB and mounting plate.

DC13 life time: 100.000 at max. load, 10 operations/minute

Overvoltage category II (2.5kV), pollution degree 2 for:
- illuminated versions (24 V LED)
- versions with 3rd contact
- versions with NO contacts (I, II, OI)

Installation instruction:

The position offset between the operator element and the switching element must be in a Ø 0.2 mm circle
(*1) does not apply to the types "..._R0" UL approval for: PTS(L)(O)(I)(OO)(II)(OIT)(IIIT)(OOIT)(IIOT)(_AU)(xV))(R0)

Data acc. to UL508

Rating:	Pilot duty B300; 24dc/3A; Au: 42Vdc/100mA

General Data

Type reference:	PCTS(L)(_R0)
Description:	Contact block for base-plate mounting
Approvals:	CE, cURus
Contact type:	1 inverter
Operation travel:	2.3 mm
Connection type:	PCB-mount terminals
Contact material:	gold-plated 1.5µm
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 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:	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

1W=inverter (snap-action contact);R0= LED without series resistor

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

Instruction for mounting

The position offset between actuator and switching element must lie in a circle of Ø 0.2mm.
(*1) does not apply to the types "..._R0" UL approval for: PCTS(L)(xV)(_R0)

Data acc. to UL508

Rating:	20mV...48V AC/DC, 0.01mA...100mA , max. 250mW

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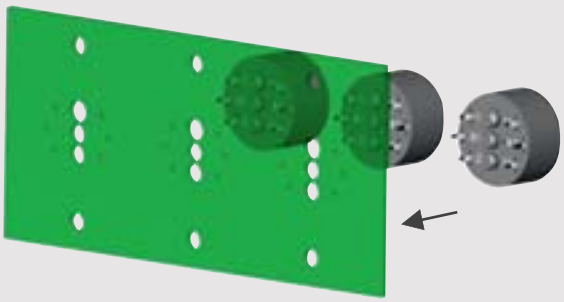
Mounting instructions

1.



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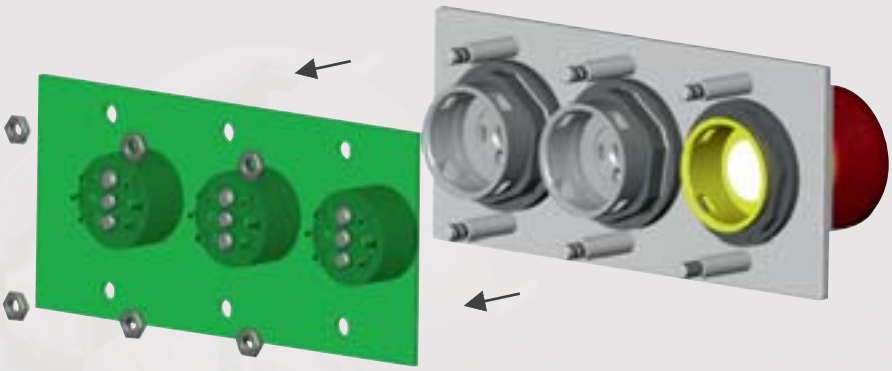

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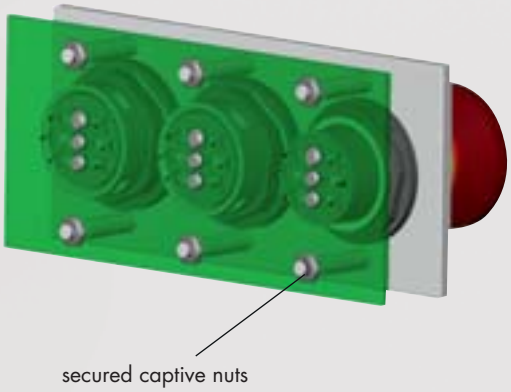

Contact blocks P...

PCB-mount terminals

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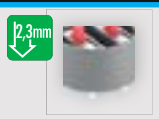
Illustration		Description	Type



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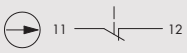
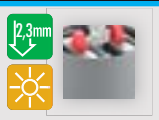
11/12



Contact block, momentary
1NC
PCB-mount terminals

suitable pushbuttons and switches:

Contact material:	AgNi	**PTS0**
	AgNi, gold-plated	**PTS0_AU**



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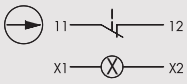
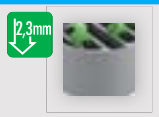


Illuminated contact block, momentary
1NC
PCB-mount terminals
incl. white LED

suitable pushbuttons and switches:

Contact material:	AgNi	**PTSL0**
	AgNi, gold-plated	**PTSL0_AU**



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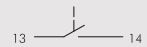
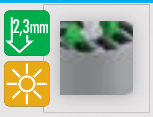


Contact block, momentary
1NO
PCB-mount terminals

suitable pushbuttons and switches:

Contact material:	AgNi	**PTSI**
	AgNi, gold-plated	**PTSI_AU**



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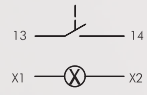
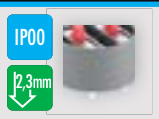


Illuminated contact block, momentary
1NO
PCB-mount terminals
incl. white LED

suitable pushbuttons and switches:

Contact material:	AgNi	**PTSLI**
	AgNi, gold-plated	**PTSLI_AU**



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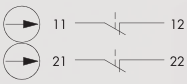

Contact block, momentary
2NC
PCB-mount terminals

c UL us

suitable pushbuttons and switches:

Contact material:	AgNi	**PTS00**
	AgNi, gold-plated	**PTS00_AU**

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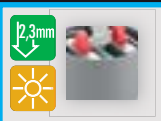
Contact blocks P...

PCB-mount terminals

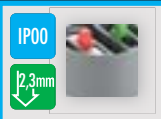
Illustration		Description	Type

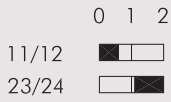


Illuminated contact block, momentary
2NC
PCB-mount terminals
incl. white LED

suitable pushbuttons and switches:

Contact material:	AgNi	**PTSL00**
	AgNi, gold-plated	**PTSL00_AU**

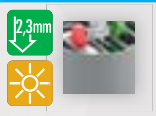


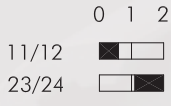


Contact block, momentary
1NC + 1NO
PCB-mount terminals

suitable pushbuttons and switches:

Contact material:	AgNi	**PTSOI**
	AgNi, gold-plated	**PTSOI_AU**

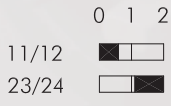




Illuminated contact block, momentary
1NC + 1NO
PCB-mount terminals
incl. white LED

suitable pushbuttons and switches:

Contact material:	AgNi	**PTSLOI**
	AgNi, gold-plated	**PTSLOI_AU**

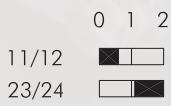


PTSOIT

1NF + 1NO
PCB-mount terminals
only suitable for pushbutton heads

suitable pushbuttons and switches:

Contact material:	AgNi	**PTSOIT**
	AgNi, gold-plated	**PTSOIT_AU**



PTSLOIT

1NF + 1NO
PCB-mount terminals
incl. white LED
only suitable for pushbutton heads

suitable pushbuttons and switches:

Contact material:	AgNi	**PTSLOIT**
	AgNi, gold-plated	**PTSLOIT_AU**

Contact blocks P...

PCB-mount terminals

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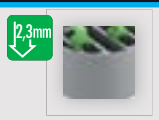
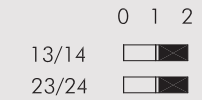
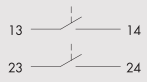
SCHLEGEL® ELEKTROKONTAKT

Illustration		Description	Type



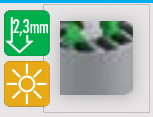


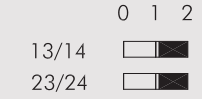


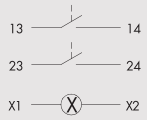
Contact block, momentary
2NO
PCB-mount terminals

suitable pushbuttons and switches:

Contact material: AgNi **PTSII**
AgNi, gold-plated **PTSII_AU**



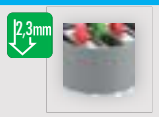


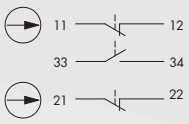


Illuminated contact block, momentary
2NO
PCB-mount terminals

suitable pushbuttons and switches:

Contact material: AgNi **PTSLII**
AgNi, gold-plated **PTSLII_AU**

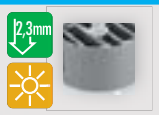




Contact block, momentary
2NC + 1NO
PCB-mount terminals

suitable pushbuttons and switches:

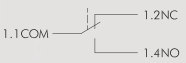
Contact material: AgNi **PTSOOI**
AgNi, gold-plated **PTSOOI_AU**



Lampholder incl. LED
PCB-mount terminals

suitable pilot light heads:

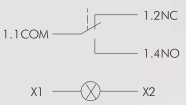
PTSL



Tactile contact block, momentary
not suitable for emergency-stops

suitable pushbuttons and switches:

PCTS



Illuminated tactile contact block, momentary
not suitable for emergency-stops

suitable pushbuttons and switches:

PCTSL

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