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Plug-in miniature solid-state relay, power solid-state relay, 1 N/O contact, input: 60 V DC, output: 3 ... 33 V DC/3 A

### Your advantages

- ✓ Vibration and shock resistant
- ☑ RT III-proof (wash-proof)

- Switching capacity of up to 24 V DC/3 A



## **Key Commercial Data**

Packing unit	10 pc
Minimum order quantity	10 pc
GTIN	4 017918 130923
GTIN	4017918130923
Sales Key	08

### Technical data

### **Dimensions**

Width	5 mm
Height	28 mm
Depth	15 mm

### Ambient conditions

Ambient temperature (operation)	-25 °C 60 °C
Ambient temperature (storage/transport)	-25 °C 70 °C
Degree of protection	RT III

### Input data



## Technical data

### Input data

Nominal input voltage U <sub>N</sub>	60 V DC
Input voltage range in reference to U <sub>N</sub>	0.8 1.2
Input voltage range	48 V DC 72 V DC
Switching threshold "0" signal, voltage	≤ 20 V
Switching threshold "1" signal voltage	≥ 35 V
Typical input current at U <sub>N</sub>	3 mA
Typical response time	40 μs (at U <sub>N</sub> )
Typical turn-off time	500 μs (at U <sub>N</sub> )
Transmission frequency	300 Hz
Power dissipation for nominal condition	0.18 W

### Output data

Output voltage range	3 V DC 33 V DC
Limiting continuous current	3 A (see derating curve)
Maximum inrush current	15 A (10 ms)
Voltage drop at max. limiting continuous current	≤ 150 mV
Output circuit	2-wire, floating
Type of protection	Reverse polarity protection
	Surge protection
Protective circuit/component	Polarity protection diode

### General

Test voltage input/output	2.5 kV (50 Hz, 1 min.)
Mounting position	any
Assembly instructions	In rows with zero spacing
Operating mode	100% operating factor

### Standards and Regulations

Connection in acc. with standard	CUL
Designation	Standards/regulations
Standards/regulations	IEC 60664
	EN 50178
Insulation	Basic insulation
Pollution degree	2
Overvoltage category	III

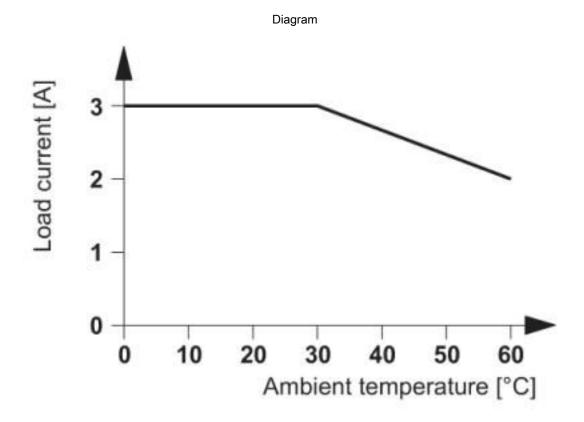
## **Environmental Product Compliance**

China RoHS	Environmentally Friendly Use Period = 50 years
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

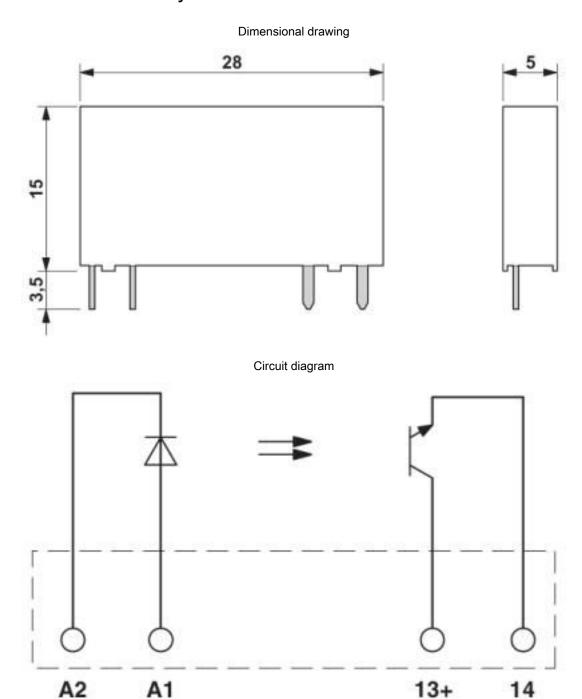
## **Drawings**



a = pitch division 1.25 mm and 1.27 mm







## Classifications

### eCl@ss

eCl@ss 10.0.1	27371604
eCl@ss 4.0	27371100
eCl@ss 4.1	27371100
eCl@ss 5.0	27371000



## Classifications

### eCl@ss

eCl@ss 5.1	27371000
eCl@ss 6.0	27371600
eCl@ss 7.0	27371604
eCl@ss 8.0	27371604
eCl@ss 9.0	27371604

### **ETIM**

ETIM 2.0	EC001504
ETIM 3.0	EC001504
ETIM 4.0	EC001504
ETIM 5.0	EC001504
ETIM 6.0	EC001504
ETIM 7.0	EC001504

### UNSPSC

UNSPSC 6.01	30211916
UNSPSC 7.0901	39121542
UNSPSC 11	39121542
UNSPSC 12.01	39121542
UNSPSC 13.2	39122326
UNSPSC 18.0	39122326
UNSPSC 19.0	39122326
UNSPSC 20.0	39122326
UNSPSC 21.0	39122326

## Approvals

Approvals

Approvals

UL Recognized / cUL Recognized / PRS / GL / UL Recognized / cUL Recognized / EAC / EAC

Ex Approvals

### Approval details

**UL** Recognized



http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm F

FILE E 195083



## Approvals

cUL Recognized	. <b>91</b>	http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 195083
PRS		http://www.prs.pl/	TE/2109/880590/16
GL	(GL)	https://approvalfinder.dnvgl.com/	46016-03 HH
UL Recognized	<i>5</i> 12	http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 195083
cUL Recognized	<b>1?</b> :	http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 195083
EAC	ERC		TR_TS_D_00573_c
EAC	ERC		RU*C- DE.*08.B.00010

### Accessories

## Additional products

Relay base - PLC-BPT- 60DC/21 - 2900279



6.2 mm PLC basic terminal block with push-in connection, without relay or solid-state relay, for mounting on DIN rail NS 35/7,5, 1 PDT, input voltage 60 V DC



### Accessories

Relay base - PLC-BSP- 60DC/21 - 2967332



6.2 mm PLC basic terminal block with spring-cage connection, without relay or solid-state relay, for mounting on DIN rail NS 35/7,5, 1 PDT, input voltage 60 V DC

Relay base - PLC-BSC- 60DC/21 - 2966100



6.2 mm PLC basic terminal block with screw connection, without relay or solid-state relay, for mounting on DIN rail NS 35/7,5, 1 PDT, input voltage 60 V DC

Relay base - PLC-BPT-120UC/21 - 2900280



6.2 mm PLC basic terminal block with push-in connection, without relay or solid-state relay, for mounting on DIN rail NS 35/7,5, 1 PDT, input voltage 120 V AC/DC

Relay base - PLC-BSP-120UC/21 - 2967167



6.2 mm PLC basic terminal block with spring-cage connection, without relay or solid-state relay, for mounting on DIN rail NS 35/7,5, 1 PDT, input voltage 120 V AC/DC

Relay base - PLC-BSC-120UC/21 - 2966032



6.2 mm PLC basic terminal block with screw connection, without relay or solid-state relay, for mounting on DIN rail NS 35/7,5, 1 PDT, input voltage 120 V AC/DC



### Accessories

Relay base - PLC-BPT-230UC/21 - 2900281



6.2 mm PLC basic terminal block with push-in connection, without relay or solid-state relay, for mounting on DIN rail NS 35/7,5, 1 PDT, input voltage 230 V AC/DC

### Relay base - PLC-BSP-230UC/21 - 2967183



6.2 mm PLC basic terminal block with spring-cage connection, without relay or solid-state relay, for mounting on DIN rail NS 35/7,5, 1 PDT, input voltage 230 V AC/DC

### Relay base - PLC-BSC-230UC/21 - 2966045



6.2 mm PLC basic terminal block with screw connection, without relay or solid-state relay, for mounting on DIN rail NS 35/7,5, 1 PDT, input voltage 230 V AC/DC

### Relay base - PLC-BPT-120UC/ 1/SEN - 2900451



6.2 mm PLC basic terminal block for input functions with push-in connection, without relay or solid-state relay, for mounting on DIN rail NS 35/7,5, with sensor supply voltage distribution (BB), 1 N/O contact, input voltage 120 V AC/DC

### Relay base - PLC-BSP-120UC/ 1/SEN - 2967154



6.2 mm PLC basic terminal block for input functions with spring-cage connection, without relay or solid-state relay, for mounting on DIN rail NS 35/7,5, with sensor supply voltage distribution (BB), 1 N/O contact, input voltage 120 V AC/ DC



### Accessories

Relay base - PLC-BSC-120UC/ 1/SEN - 2966074



6.2 mm PLC basic terminal block for input functions with screw connection, without relay or solid-state relay, for mounting on DIN rail NS 35/7,5, with sensor supply voltage distribution (BB), 1 N/O contact, input voltage 120 V AC/DC

### Relay base - PLC-BPT-230UC/ 1/SEN - 2900452



6.2 mm PLC basic terminal block for input functions with push-in connection, without relay or solid-state relay, for mounting on DIN rail NS 35/7,5, with sensor supply voltage distribution (BB), 1 N/O contact, input voltage 230 V AC/DC

### Relay base - PLC-BSP-230UC/ 1/SEN - 2967170



6.2 mm PLC basic terminal block for input functions with spring-cage connection, without relay or solid-state relay, for mounting on DIN rail NS 35/7,5, with sensor supply voltage distribution (BB), 1 N/O contact, input voltage 230 V AC/DC

#### Relay base - PLC-BSC-230UC/ 1/SEN - 2966087



6.2 mm PLC basic terminal block for input functions with screw connection, without relay or solid-state relay, for mounting on NS 35/7,5 DIN rail, with sensor supply voltage distribution (BB), 1 N/O contact, input voltage: 230 V AC/DC

### Relay base - PLC-BPT-120UC/21/SO46 - 2900453



6.2 mm PLC basic terminal block with interference current and interference voltage protection on the control side, with push-in connection, without relay or solid-state relay, for mounting on DIN rail NS 35/7,5, with integrated RCZ filter, 1 PDT, input voltage 120 V AC



### Accessories

Relay base - PLC-BSP-120UC/21/SO46 - 2980351



6.2 mm PLC basic terminal block with interference current and interference voltage protection on the control side, with spring-cage connection, without relay or solid-state relay, for mounting on DIN rail NS 35/7,5, with integrated RCZ filter, 1 PDT, input voltage 120 V AC

### Relay base - PLC-BSC-120UC/21/SO46 - 2980319



6.2 mm PLC basic terminal block with interference current and interference voltage protection on the control side, with screw connection, without relay or solid-state relay, for mounting on DIN rail NS 35/7,5, with integrated RCZ filter, 1 PDT, input voltage 120 V AC

### Relay base - PLC-BPT-230UC/21/SO46 - 2900455



6.2 mm PLC basic terminal block with interference current and interference voltage protection on the control side, with push-in connection, without relay or solid-state relay, for mounting on DIN rail NS 35/7,5, with integrated RCZ filter, 1 PDT, input voltage 230 V AC

#### Relay base - PLC-BSP-230UC/21/SO46 - 2980377



6.2 mm PLC basic terminal block with interference current and interference voltage protection on the control side, with spring-cage connection, without relay or solid-state relay, for mounting on DIN rail NS 35/7,5, with integrated RCZ filter, 1 PDT, input voltage 230 V AC

### Relay base - PLC-BSC-230UC/21/SO46 - 2980335



6.2 mm PLC basic terminal block with interference current and interference voltage protection on the control side, with screw connection, without relay or solid-state relay, for mounting on DIN rail NS 35/7,5, with integrated RCZ filter, 1 PDT, input voltage 230 V AC



### Accessories

Relay base - PLC-BPT-120UC/ 1/SEN/SO46 - 2900456



6.2 mm PLC basic terminal block with interference current and interference voltage protection on the control side, with push-in connection, without relay or solid-state relay, with sensor supply voltage distribution (BB), 1 N/O contact, input voltage 120 V AC

### Relay base - PLC-BSP-120UC/ 1/SEN/SO46 - 2980364



6.2 mm PLC basic terminal block with interference current and interference voltage protection on the control side, with spring-cage connection, without relay or solid-state relay, with sensor supply voltage distribution (BB), 1 N/O contact, input voltage 120 V AC

### Relay base - PLC-BSC-120UC/ 1/SEN/SO46 - 2980322



6.2 mm PLC basic terminal block with interference current and interference voltage protection on the control side, with screw connection, without relay or solid-state relay, with sensor supply voltage distribution (BB), 1 N/O contact, input voltage 120 V AC

#### Relay base - PLC-BPT-230UC/ 1/SEN/SO46 - 2900457



6.2 mm PLC basic terminal block with interference current and interference voltage protection on the control side, with push-in connection, without relay or solid-state relay, with sensor supply voltage distribution (BB), 1 N/O contact, input voltage 230 V AC

### Relay base - PLC-BSP-230UC/ 1/SEN/SO46 - 2980380



6.2 mm PLC basic terminal block with interference current and interference voltage protection on the control side, with spring-cage connection, without relay or solid-state relay, with sensor supply voltage distribution (BB), 1 N/O contact, input voltage 230 V AC



### Accessories

Relay base - PLC-BSC-230UC/ 1/SEN/SO46 - 2980348



6.2 mm PLC basic terminal block with interference current and interference voltage protection on the control side, with screw connection, without relay or solid-state relay, with sensor supply voltage distribution (BB), 1 N/O contact, input voltage 230 V AC

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