

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (http://phoenixcontact.com/download)



Plug-in miniature solid-state relay, power solid-state relay, 1 N/O contact, input: 24 V DC, output: 3 ... 33 V DC/3 A

#### Your advantages

- ✓ Vibration and shock resistant
- ☑ RT III-proof (wash-proof)
- ✓ Wear-free and durable
- 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 130947 |
| GTIN                                 | 4017918130947   |
| Weight per Piece (excluding packing) | 5.200 g         |
| Custom tariff number                 | 85364190        |
| Country of origin                    | Hungary         |

### 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 (wash-proof) |



## Technical data

## Input data

| Nominal input voltage U <sub>N</sub>               | 24 V DC                     |
|--|-----------------------------|
| Input voltage range in reference to U <sub>N</sub> | 0.8 1.2                     |
| Input voltage range                                | 19.2 V DC 28.8 V DC         |
| Switching threshold "0" signal, voltage            | ≤ 10 V                      |
| Switching threshold "1" signal voltage             | ≥ 16 V                      |
| Typical input current at U <sub>N</sub>            | 7 mA                        |
| Typical response time                              | 20 μs (at U <sub>N</sub> )  |
| Typical turn-off time                              | 300 μs (at U <sub>N</sub> ) |
| Transmission frequency                             | 300 Hz                      |
| Power dissipation for nominal condition            | 0.17 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            |

#### 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**

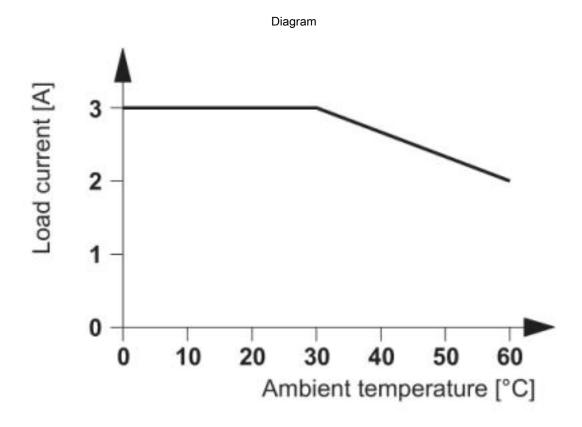
| China RoHS | Environmentally friendly use period: unlimited = EFUP-e |
|------------|---|
|            | No hazardous substances above threshold values          |

## Drawings

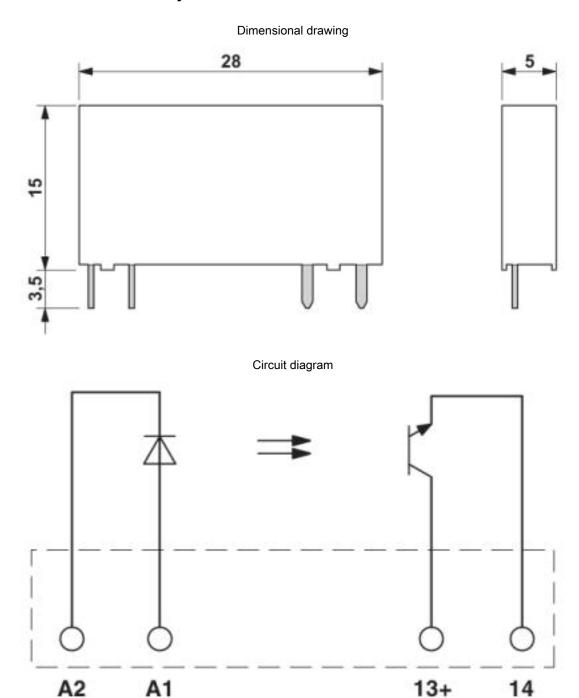


Drilling diagram

a = pitch division 1.25 mm and 1.27 mm







## Classifications

## eCl@ss

| eCl@ss 4.0 | 27371100 |
|------------|----------|
| eCl@ss 4.1 | 27371100 |
| eCl@ss 5.0 | 27371000 |
| eCl@ss 5.1 | 27371000 |



## Classifications

## eCl@ss

| 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 |

## Approvals

## Approvals

Approvals

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

Ex Approvals

### Approval details

UL Recognized

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

FILE E 195083

cUL Recognized

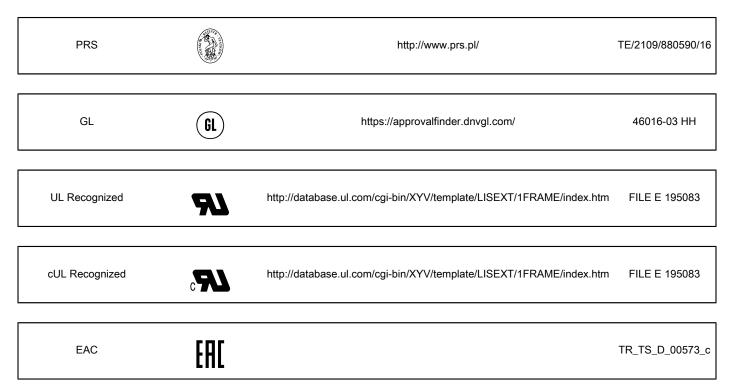


http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm FILE E

FILE E 195083



## Approvals



#### Accessories

#### Additional products

Relay base - PLC-BPT- 24DC/21 - 2900445



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 24 V DC

#### Relay base - PLC-BSC- 24DC/21 - 2966016



6.2 mm PLC basic terminal block with screw connection, without relays or solid-state relay, for mounting on DIN rail NS 35/7,5, 1 PDT, input voltage 24 V DC



#### Accessories

Relay base - PLC-BSC- 24DC/21 - 2966016



6.2 mm PLC basic terminal block with screw connection, without relays or solid-state relay, for mounting on DIN rail NS 35/7,5, 1 PDT, input voltage 24 V DC

Basic terminal block - PLC-BSC- 36DC/21 - 2966964

Basic terminal block

Relay base - PLC-BPT- 48DC/21 - 2900447



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 48 V DC

Relay base - PLC-BSP- 48DC/21 - 2967329



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 48 V DC

Relay base - PLC-BSC- 48DC/21 - 2966090



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 48 V DC

Relay base - PLC-BPT- 24DC/ 1/SEN - 2900262



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 24 V DC



#### Accessories

Relay base - PLC-BSP- 24DC/ 1/SEN - 2967206



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 24 V DC

Relay base - PLC-BSC- 24DC/ 1/SEN - 2966061



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 24 V DC

Relay base - PLC-BPT- 24DC/ 1/ACT - 2900449



6.2 mm PLC basic terminal block for output functions with push-in connection, without relay or solid-state relay, for mounting on DIN rail NS 35/7,5, with load return line connection (BB), 1 N/O contact, input voltage 24 V DC

Relay base - PLC-BSP- 24DC/ 1/ACT - 2967196



6.2 mm PLC basic terminal block for output functions with spring-cage connection, without relay or solid-state relay, for mounting on DIN rail NS 35/7,5, with load return line connection (BB), 1 N/O contact, input voltage 24 V DC

Relay base - PLC-BSC- 24DC/ 1/ACT - 2966058



6.2 mm PLC basic terminal block for output functions with screw connection, without relay or solid-state relay, for mounting on DIN rail NS 35/7,5, with load return line connection (BB), 1 N/O contact, input voltage 24 V DC



#### Accessories

Relay base - PLC-BPT- 24UC/ 1/ACT - 2900450



6.2 mm PLC basic terminal block for output functions with push-in connection, without relay or solid-state relay, for mounting on DIN rail NS 35/7,5, with load return line connection (BB), 1 N/O contact, input voltage 24 V AC/DC

Relay base - PLC-BSP- 24UC/ 1/ACT - 2982809



6.2 mm PLC basic terminal block for output functions with spring-cage connection, without relay or solid-state relay, for mounting on DIN rail NS 35/7,5, with load return line connection (BB), 1 N/O contact, input voltage 24 V AC/DC

Relay base - PLC-BSC- 24UC/ 1/ACT - 2982799



6.2 mm PLC basic terminal block for output functions with screw connection, without relay or solid-state relay, for mounting on DIN rail NS 35/7,5, with load return line connection (BB), 1 N/O contact, input voltage 24 V AC/DC

Relay base - PLC-BSC- 24DC/21/SO46 - 2980458



6.2 mm PLC basic terminal block with protection against interference currents and interference voltages on the control side, with screw connection, without relay or solid-state relay, for mounting on NS 35/7,5 DIN rail, with increased input current consumption, 1 PDT, 24 V DC input voltage

Relay base - RIF-0-BPT/1 - 2901873



RIF-0... relay base, for miniature power relay with 1 N/O contact or solid-state relays of the same design, push-in connection, for mounting on NS 35/7,5



## Accessories

Relay base - RIF-0-BSC/ 1 - 2901872



RIF-0... relay base, for miniature power relay with 1 N/O contact or identical solid-state relays, screw connection, for mounting on NS 35/7,5

Phoenix Contact 2019 © - all rights reserved http://www.phoenixcontact.com