

# PLC-BSP- 24DC/ 1IC/ACT - Relay base



2912400

<https://www.phoenixcontact.com/us/products/2912400>

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14 mm PLC basic terminal block for high switch-on currents 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

## Commercial data

|                                      |                                |
|--------------------------------------|--------------------------------|
| Item number                          | 2912400                        |
| Packing unit                         | 1 pc                           |
| Note                                 | Made to order (non-returnable) |
| Sales key                            | C461                           |
| Product key                          | DK6221                         |
| GTIN                                 | 4046356050814                  |
| Weight per piece (including packing) | 50.08 g                        |
| Weight per piece (excluding packing) | 48.33 g                        |
| Customs tariff number                | 85366990                       |
| Country of origin                    | DE                             |

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## Technical data

### Notes

#### Utilization restriction

|          |   |
|----------|---|
| EMC note | EMC: class A product, see manufacturer's declaration in the download area |
|----------|---|

### Product properties

|                       |  |
|-----------------------|--|
| Product type          | Relay socket   |
| Product family        | PLC-INTERFACE  |
| Application           | high inrush currents   |
| Set comprises         | 2912413 PLC-RSP- 24DC/ 1IC/ACT   |
| Operating mode        | 100% operating factor  |
| Compatible components | Miniature relay, REL-MR-24DC/1IC/ACT; miniature optocoupler, OPT-24DC/24DC/5, OPT-24DC/230AC/2 |

### Electrical properties

|                    |  |
|--------------------|--|
| Protective circuit | Damping diode, polarity protection diode |
|--------------------|--|

### Input data

|                             |                    |
|-----------------------------|--------------------|
| Nominal input voltage $U_N$ | 24 V DC            |
| Protective circuit          | Freewheeling diode |
| Nominal input voltage $U_N$ | 24 V DC            |

### Output data

|                       |  |
|-----------------------|--|
| Compatible components | Miniature relay, REL-MR-24DC/1IC/ACT; miniature optocoupler, OPT-24DC/24DC/5, OPT-24DC/230AC/2 |
|-----------------------|--|

### Connection data

#### Input side

|                                  |  |
|----------------------------------|--|
| Connection method                | Spring-cage connection                       |
| Stripping length                 | 8 mm   |
| Conductor cross-section rigid    | 0.14 mm <sup>2</sup> ... 2.5 mm <sup>2</sup> |
| Conductor cross-section flexible | 0.14 mm <sup>2</sup> ... 2.5 mm <sup>2</sup> |
| Conductor cross-section AWG      | 26 ... 14                                    |

#### Output side

|                                  |  |
|----------------------------------|--|
| Connection method                | Spring-cage connection                       |
| Stripping length                 | 8 mm   |
| Conductor cross-section rigid    | 0.14 mm <sup>2</sup> ... 2.5 mm <sup>2</sup> |
| Conductor cross-section flexible | 0.14 mm <sup>2</sup> ... 2.5 mm <sup>2</sup> |
| Conductor cross-section AWG      | 26 ... 14                                    |

### Signaling

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|                |     |
|----------------|-----|
| Status display | LED |
|----------------|-----|

## Dimensions

|        |       |
|--------|-------|
| Width  | 14 mm |
| Height | 80 mm |
| Depth  | 94 mm |

## Material specifications

|  |              |
|--|--------------|
| Flammability rating according to UL 94 (Housing) | V0 (Housing) |
|--|--------------|

## Environmental and real-life conditions

### Ambient conditions

|   |                  |
|---|------------------|
| Ambient temperature (operation)         | -40 °C ... 60 °C |
| Ambient temperature (storage/transport) | -40 °C ... 85 °C |

## Mounting

|                   |                           |
|-------------------|---------------------------|
| Mounting type     | DIN rail mounting         |
| Assembly note     | in rows with zero spacing |
| Mounting position | any                       |

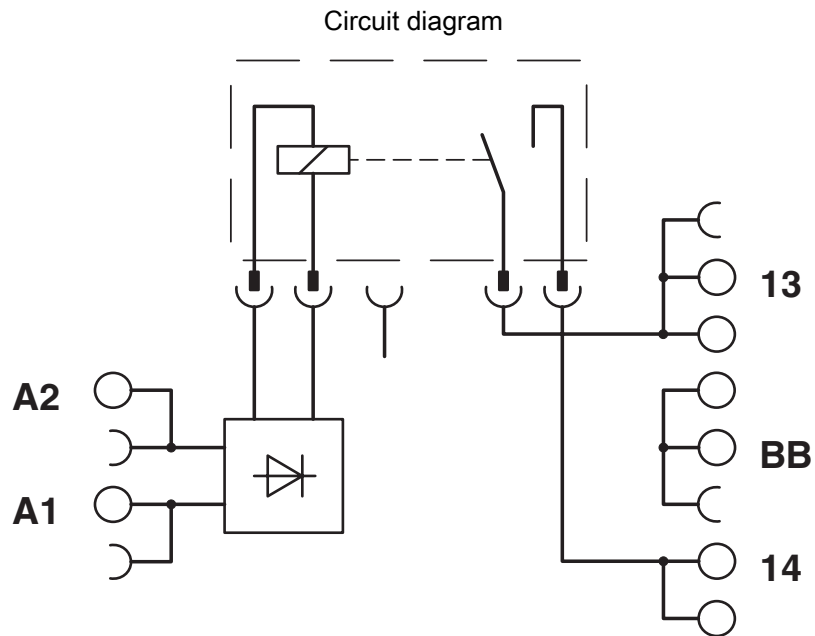
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## Drawings



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Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)