

# PR1-BSC3/2X21 - Relay base

2833521

<https://www.phoenixcontact.com/gb/products/2833521>

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PR1... relay base, for miniature power relays or miniature switching relays with 1 or 2 changeover contacts or solid-state relays of the same design, 1/3-level version, screw connections, plug-in option for input/interference suppression modules

## Your advantages

- Relay base family for assembly with 1- or 2-changeover contact relay or solid-state relays
- Relay retaining bracket with labeling field and ejection function
- Plug-in input/interference suppression modules

## Commercial data

|                                      |                     |
|--------------------------------------|---------------------|
| Item number                          | 2833521             |
| Packing unit                         | 10 pc               |
| Minimum order quantity               | 10 pc               |
| Sales key                            | CK6312              |
| Product key                          | CK6312              |
| Catalog page                         | Page 379 (C-7-2015) |
| GTIN                                 | 4017918933777       |
| Weight per piece (including packing) | 51.84 g             |
| Weight per piece (excluding packing) | 47.22 g             |
| Customs tariff number                | 85366990            |
| Country of origin                    | CN                  |

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## Technical data

### Product properties

|              |              |
|--------------|--------------|
| Product type | Relay socket |
|--------------|--------------|

### Electrical properties

|                       |             |
|-----------------------|-------------|
| Nominal voltage $U_N$ | 300 V AC/DC |
| Nominal current $I_N$ | 12 A        |

### Connection data

#### Input side

|                                  |   |
|----------------------------------|---|
| Connection method                | Screw connection  |
| Stripping length                 | 8 mm  |
| Screw thread                     | M3  |
| Conductor cross section rigid    | 0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup><br>0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup> (2 conductors with the same cross-section) |
| Conductor cross section flexible | 0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup><br>0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup> (2 conductors with the same cross-section) |
| Conductor cross section AWG      | 26 ... 14<br>26 ... 14 (2 conductors with the same cross-section)   |

#### Output side

|                                  |   |
|----------------------------------|---|
| Connection method                | Screw connection  |
| Stripping length                 | 8 mm  |
| Screw thread                     | M3  |
| Conductor cross section rigid    | 0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup><br>0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup> (2 conductors with the same cross-section) |
| Conductor cross section flexible | 0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup><br>0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup> (2 conductors with the same cross-section) |
| Conductor cross section AWG      | 26 ... 14<br>26 ... 14 (2 conductors with the same cross-section)   |

### Dimensions

|                         |                                    |
|-------------------------|------------------------------------|
| Width                   | 16 mm                              |
| Height                  | 78.5 mm                            |
| Depth Retaining bracket | 71 mm (EL1-P16)<br>79 mm (EL1-P25) |

### Material specifications

|       |                  |
|-------|------------------|
| Color | green (RAL 6021) |
|-------|------------------|

### Environmental and real-life conditions

#### Ambient conditions

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|   |                  |
|---|------------------|
| Ambient temperature (operation)         | -25 °C ... 85 °C |
| Ambient temperature (storage/transport) | -25 °C ... 85 °C |

## Mounting

|                   |                   |
|-------------------|-------------------|
| Mounting type     | DIN rail mounting |
| Mounting position | any               |

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## Classifications

### ECLASS

ECLASS-11.0

27371603

### UNSPSC

UNSPSC 21.0

39122335

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## Environmental product compliance

### China RoHS

|  |  |
|--|--|
| Environment friendly use period (EFUP) | EFUP-E                                   |
|  | No hazardous substances above the limits |

### EU REACH SVHC

|                                     |                            |
|-------------------------------------|----------------------------|
| REACH candidate substance (CAS No.) | No substance above 0.1 wt% |
|-------------------------------------|----------------------------|

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## Mandatory accessories

### REL-MR- 12DC/21HC - Single relay

2961309

<https://www.phoenixcontact.com/gb/products/2961309>



Plug-in miniature power relay, with power contact for high continuous currents, 1 changeover contact, input voltage 12 V DC

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### REL-MR- 24DC/21HC - Single relay

2961312

<https://www.phoenixcontact.com/gb/products/2961312>



Plug-in miniature power relay, with power contact for high continuous currents, 1 changeover contact, input voltage 24 V DC

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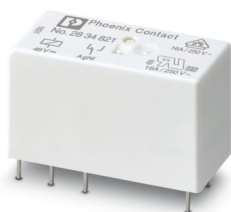
<https://www.phoenixcontact.com/gb/products/2833521>



## REL-MR- 48DC/21HC - Single relay

2834821

<https://www.phoenixcontact.com/gb/products/2834821>



Plug-in miniature power relay, with power contact for high continuous currents, 1 changeover contact, input voltage 48 V DC

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## REL-MR- 60DC/21HC - Single relay

2961325

<https://www.phoenixcontact.com/gb/products/2961325>



Plug-in miniature power relay, with power contact for high continuous currents, 1 changeover contact, 60 V DC

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## REL-MR-110DC/21HC - Single relay

2961338

<https://www.phoenixcontact.com/gb/products/2961338>



Plug-in miniature power relay, with power contact for high continuous currents, 1 changeover contact, input voltage 110 V DC

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## REL-MR- 24AC/21HC - Single relay

2961406

<https://www.phoenixcontact.com/gb/products/2961406>



Plug-in miniature power relay, with power contact for high continuous currents, 1 changeover contact, input voltage 24 V AC



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## REL-MR-120AC/21HC - Single relay

2961419

<https://www.phoenixcontact.com/gb/products/2961419>



Plug-in miniature power relay, with power contact for high continuous currents, 1 changeover contact, input voltage 120 V AC

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## REL-MR-230AC/21HC - Single relay

2961422

<https://www.phoenixcontact.com/gb/products/2961422>



Plug-in miniature power relay, with power contact for high continuous currents, 1 changeover contact, input voltage 230 V AC

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## REL-MR- 12DC/21HC AU - Single relay

2961532

<https://www.phoenixcontact.com/gb/products/2961532>



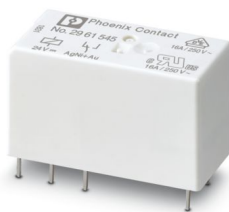
Plug-in miniature power relay, with multi-layer gold contact for high continuous currents, 1 changeover contact, input voltage 12 V DC

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## REL-MR- 24DC/21HC AU - Single relay

2961545

<https://www.phoenixcontact.com/gb/products/2961545>



Plug-in miniature power relay, with multi-layer gold contact for high continuous currents, 1 changeover contact, input voltage 24 V DC