# RIF-1-BPT/2X21 - Relay base

2900931

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Relay base RIF-1..., for miniature power relay with 1 or 2 changeover contacts or solid-state relays of the same design, Push-in connection, plug-in option for input/interference suppression modules, for mounting on NS 35/7,5

## Commercial data

| | |
|---|---|
| Item number | 2900931 |
| Packing unit | 10 pc |
| Minimum order quantity | 10 pc |
| Sales key | C465 |
| Product key | DK6522 |
| GTIN | 4046356733151 |
| Weight per piece (including packing) | 50.1 g |
| Weight per piece (excluding packing) | 49.7 g |
| Customs tariff number | 85366990 |
| Country of origin | CN |

## Technical data

### Notes

| | |
|---|---|
| Notes on operation | FBS 2-6... plug-in bridge for the input side (A2) and FBS-2-8... plug-in bridge for the output side (11/21) |

### Product properties

| | |
|---|---|
| Product type | Relay socket |
| Product family | RIFLINE complete |
| Set comprises | 2903327 RIF-1-RPT-LV-230AC/2X21AU |
| | 2903328 RIF-1-RPT-LV-120AC/2X21AU |
| | 2903329 RIF-1-RPT-LV-24AC/2X21AU |
| | 2903330 RIF-1-RPT-LDP-24DC/2X21AU |
| | 2903331 RIF-1-RPT-LV-230AC/2X21 |
| | 2903332 RIF-1-RPT-LV-120AC/2X21 |
| | 2903333 RIF-1-RPT-LV-24AC/2X21 |
| | 2903334 RIF-1-RPT-LDP-24DC/2X21 |
| | 2903339 RIF-1-RPT-LV-230AC/1X21 |
| | 2903340 RIF-1-RPT-LV-120AC/1X21 |
| | 2903341 RIF-1-RPT-LV-24AC/1X21 |
| | 2903342 RIF-1-RPT-LDP-24DC/1X21 |
| | 2905289 RIF-1-RPT-LDP-24DC/1X21MS |
| | 2905290 RIF-1-RPT-LV-230AC/1X21MS |
| | 2905291 RIF-1-RPT-LDP-24DC/2X21MS |
| | 2905292 RIF-1-RPT-LV-230AC/2X21MS |
| | 2906223 RIF-1-RPT-LDP-12DC/2X21 |
| | 2906224 RIF-1-RPT-LDP-12DC/1X21 |
| | 2909775 RIF-1-RPT-LV-120AC/2X21MS |
| | 2909776 RIF-1-RPT-LV-120AC/1X21MS |
| | 2909884 RIF-1-RPT-LDP-24DC/1IC |
| | 1049232 RIF-1-RPT-LV-24AC/2X21MS |
| | 1078686 RIF-1-RPT-LDP-24DC/1ICT |
| | 1188144 RIF-1-RPT-L-24AC/2X21MS |
| | 1188142 RIF-1-RPT-LRC-230AC/2X21MS |

### Electrical properties

| | |
|---|---|
| Nominal voltage $U_N$ | 250 V AC/DC |
| Nominal current $I_N$ | max. 13 A (Depends on application/assembly) |
| Protective circuit | depending on the selected input/suppressor modules |

### Connection data

| | |
|---|---|
| Connection method | Push-in connection |
| Stripping length | 8 mm |
| Conductor cross-section rigid | 0.14 mm² ... 1.5 mm² |

| | |
|---|---|
| Conductor cross-section flexible | 0.14 mm² ... 1.5 mm² |
| | 0.14 mm² ... 1.5 mm² (Ferrule with plastic sleeve) |
| | 0.14 mm² ... 1 mm² (Ferrule with plastic sleeve, two conductors on double terminal block) |
| Conductor cross-section AWG | 26 ... 16 (solid) |
| | 26 ... 16 (flexible) |

## Dimensions

Item dimensions

| | |
|---|---|
| Width | 16 mm |
| Height | 96 mm |
| Depth (Retaining bracket) | 75 mm (with retaining bracket) |

Drill hole

| | |
|---|---|
| Diameter | 3.2 mm |

## Material specifications

| | |
|---|---|
| Color | gray (RAL 7042) |
| Flammability rating according to UL 94 (Housing) | V2 (Housing) |

## Environmental and real-life conditions

Ambient conditions

| | |
|---|---|
| Ambient temperature (operation) | -40 °C ... 85 °C (Depends on application/assembly) |
| Ambient temperature (storage/transport) | -40 °C ... 85 °C |

## Approvals

Corrosive gas test

| | |
|---|---|
| Identification | ISA-S71.04. G3 Harsh Group |
| | EN 60068-2-60 |

## Mounting

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

## Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/2900931

**CSA**
Approval ID: 76787

**UL Recognized**
Approval ID: FILE E 113228

**EAC**
Approval ID: RU D-DE.B*00573/18

**DNV**
Approval ID: TAA000018V

## Classifications

### ECLASS

| | |
|---|---|
| ECLASS-13.0 | 27371603 |
| ECLASS-15.0 | 27371603 |

### ETIM

| | |
|---|---|
| ETIM 10.0 | EC001456 |

### UNSPSC

| | |
|---|---|
| UNSPSC 21.0 | 39122300 |

## Environmental product compliance

EU RoHS

| | |
|---|---|
| Fulfills EU RoHS substance requirements | Yes, No exemptions |

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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