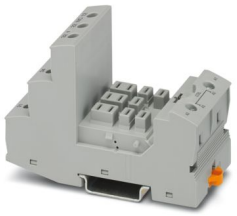
# RIF-4-BSC/3X21 - Relay base

2900960

https://www.phoenixcontact.com/us/products/2900960

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RIF-4... relay base, for high-power relay with 2 or 3 changeover contacts or 3 N/O contacts, screw connection, plug-in option for input/interference suppression modules, for mounting on NS 35/7,5

## Commercial data

| | |
|---|---|
| Item number | 2900960 |
| Packing unit | 10 pc |
| Minimum order quantity | 10 pc |
| Sales key | C465 |
| Product key | CK6515 |
| Catalog page | Page 311 (C-5-2019) |
| GTIN | 4046356733182 |
| Weight per piece (including packing) | 95.65 g |
| Weight per piece (excluding packing) | 89.5 g |
| Customs tariff number | 85366990 |
| Country of origin | CN |

# Technical data

## Product properties

| | |
|---|---|
| Product type | Relay socket |
| Product family | RIFLINE complete |

## Electrical properties

| | |
|---|---|
| Nominal voltage $U_N$ | 440 V AC |
| | 250 V 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 | Screw connection |
| Stripping length | 8 mm |
| Conductor cross section rigid | 0.5 mm² ... 4 mm² |
| Conductor cross-section rigid (2 conductors with same cross section) | 0.5 mm² ... 2.5 mm² |
| Conductor cross section flexible | 0.5 mm² ... 4 mm² |
| | 0.5 mm² ... 4 mm² (Ferrule with plastic sleeve) |
| Conductor cross section flexible (2 conductors with same cross section) | 0.5 mm² ... 2.5 mm² |
| | 0.5 mm² ... 1.5 mm² (TWIN ferrule with plastic sleeve) |
| Conductor cross section AWG | 20 ... 10 (solid) |
| | 20 ... 12 (flexible) |
| Tightening torque | 0.5 Nm ... 0.6 Nm |

## Dimensions

| | |
|---|---|
| Width | 44 mm |
| Height | 96 mm |
| Depth Retaining bracket | 91 mm (with retaining bracket) |

## Material specifications

| | |
|---|---|
| Color | gray (RAL 7042) |
| Flammability rating according to UL 94 | 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/2900960

**CSA**
Approval ID: 76787

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

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

**DNV GL**
Approval ID: TAA000018V

## Classifications

### ECLASS

| | |
|---|---|
| ECLASS-11.0 | 27371603 |
| ECLASS-12.0 | 27371603 |
| ECLASS-13.0 | 27371603 |

### ETIM

| | |
|---|---|
| ETIM 9.0 | 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% |

## Mandatory accessories

### REL-PR1-24DC/1/MB - Single relay

2908040

https://www.phoenixcontact.com/us/products/2908040



Plug-in high-power relay with power contacts, specifically for switching high DC loads, 1 N/O contact, blowout magnet, coil voltage: 24 V DC

### REL-PR1- 48DC/1/MB - Single relay

2908613

https://www.phoenixcontact.com/us/products/2908613



Plug-in high-power relay with power contacts, specifically for switching high DC loads, 1 N/O contact, blowout magnet, coil voltage: 48 V DC

## REL-PR1-110DC/1/MB - Single relay

2908044

https://www.phoenixcontact.com/us/products/2908044



Plug-in high-power relay with power contacts, specifically for switching high DC loads, 1 N/O contact, blowout magnet, coil voltage: 110 V DC

## REL-PR1-220DC/1/MB - Single relay

2908046

https://www.phoenixcontact.com/us/products/2908046



Plug-in high-power relay with power contacts, specifically for switching high DC loads, 1 N/O contact, blowout magnet, coil voltage: 220 V DC

## REL-PR1-230AC/1/MB - Single relay

2908047

https://www.phoenixcontact.com/us/products/2908047



Plug-in high-power relay with power contacts, specifically for switching high DC loads, 1 N/O contact, blowout magnet, coil voltage: 230 V AC

## REL-PR3- 24DC/3X21 - Single relay

2903702

https://www.phoenixcontact.com/us/products/2903702



Plug-in high-power relay with power contacts, 3 changeover contacts, coil voltage: 24 V DC

## REL-PR3- 24AC/3X21 - Single relay

2903703

https://www.phoenixcontact.com/us/products/2903703



Plug-in high-power relay with power contacts, 3 changeover contacts, coil voltage: 24 V AC

## REL-PR3-120AC/3X21 - Single relay

2903704

https://www.phoenixcontact.com/us/products/2903704



Plug-in high-power relay with power contacts, 3 changeover contacts, coil voltage: 120 V AC

## REL-PR3-230AC/3X21 - Single relay

2903705

https://www.phoenixcontact.com/us/products/2903705



Plug-in high-power relay with power contacts, 3 changeover contacts, coil voltage: 230 V AC

## REL-PR3- 24DC/3X1 - Single relay

2903706

https://www.phoenixcontact.com/us/products/2903706



Plug-in high-power relay with power contacts, 3 N/O contacts, coil voltage: 24 V DC

## REL-PR3- 24AC/3X1 - Single relay

2903707

https://www.phoenixcontact.com/us/products/2903707



Plug-in high-power relay with power contacts, 3 N/O contacts, coil voltage: 24 V AC

## REL-PR3-120AC/3X1 - Single relay

2903708

https://www.phoenixcontact.com/us/products/2903708



Plug-in high-power relay with power contacts, 3 N/O contacts, coil voltage: 120 V AC

### REL-PR3-230AC/3X1 - Single relay

2903709

https://www.phoenixcontact.com/us/products/2903709



Plug-in high-power relay with power contacts, 3 N/O contacts, coil voltage: 230 V AC

## Accessories

### FBS 2-6 - Plug-in bridge

3030336

https://www.phoenixcontact.com/us/products/3030336



Plug-in bridge, pitch: 6.2 mm, number of positions: 2, color: red

## FBS 2-6 BU - Plug-in bridge

3036932

https://www.phoenixcontact.com/us/products/3036932



Plug-in bridge, pitch: 6.2 mm, number of positions: 2, color: blue

## FBS 2-6 GY - Plug-in bridge

3032237

https://www.phoenixcontact.com/us/products/3032237



Plug-in bridge, pitch: 6.2 mm, number of positions: 2, color: gray

## STP 5-2 - Marker carriers

0800967

https://www.phoenixcontact.com/us/products/0800967



Marker carriers, snaps into STTB 2,5, STTB 4, PTTB 2,5, and PTTB 4 double-level spring-cage terminal blocks, can be marked with UC-TM 5, UC-TMF 5, UCT-TM 5, UCT-TMF 5, ZB 5, or ZBF 5, gray, unlabeled, mounting type: plug in, lettering field size: 5 x 10.5 mm

## RIF-RH-4 - Retaining bracket

2900956

https://www.phoenixcontact.com/us/products/2900956



Relay retaining bracket, with holder for marking material, suitable for RIF-4 relay base, for high-power relay

## RIF-RHM-4 - Retaining bracket

2905983

https://www.phoenixcontact.com/us/products/2905983



Relay retaining bracket, wire model, suitable for RIF-4 relay base

## MPS-MT - Test plug

0201744

https://www.phoenixcontact.com/us/products/0201744



Test plug, with solder connection up to 1 $mm^2$ conductor cross section, number of positions: 1, color: gray

## RIF-LDP-12-24 DC - Plug-in module

2900939

https://www.phoenixcontact.com/us/products/2900939



Plug-in module, for mounting on RIF-1, RIF-2, RIF-3, and RIF-4, with freewheeling diode and yellow LED, polarity: A1+, A2-, input voltage: 12 V DC ... 24 V DC ±30 %

## RIF-LDP-48-60 DC - Plug-in module

2900940

https://www.phoenixcontact.com/us/products/2900940



Plug-in module, for mounting on RIF-1, RIF-2, RIF-3, and RIF-4, with freewheeling diode and yellow LED, polarity: A1+, A2-, input voltage: 48 V DC ... 60 V DC ±20 %

## RIF-LDP-110 DC - Plug-in module

2900941

https://www.phoenixcontact.com/us/products/2900941



Plug-in module, for mounting on RIF-1, RIF-2, RIF-3, and RIF-4, with freewheeling diode and yellow LED, polarity: A1+, A2-, input voltage: 110 V DC ±20 %

## RIF-LV-12-24 UC - Plug-in module

2900942

https://www.phoenixcontact.com/us/products/2900942



Plug-in module, for mounting on RIF-1, RIF-2, RIF-3, and RIF-4, with varistor and yellow LED, input voltage: 12 V AC ... 24 V AC / DC ±20 %

## RIF-LV-48-60 UC - Plug-in module

2900943

https://www.phoenixcontact.com/us/products/2900943



Plug-in module, for mounting on RIF-1, RIF-2, RIF-3, and RIF-4, with varistor and yellow LED, input voltage: 48 V AC ... 60 V AC / DC ±20 %

## RIF-LV-120-230 AC/110 DC - Plug-in module

2900944

https://www.phoenixcontact.com/us/products/2900944



Plug-in module, for mounting on RIF-1, RIF-2, RIF-3, and RIF-4, with varistor and yellow LED, input voltage: 120 V AC... 230 V AC / 110 V DC ±20 %

## RIF-V-12-24 UC - Plug-in module

2900945

https://www.phoenixcontact.com/us/products/2900945



Plug-in module, for mounting on RIF-1, RIF-2, RIF-3, and RIF-4, with varistor, input voltage: 12 V AC ... 24 V AC / DC ±20 %

## RIF-V-48-60 UC - Plug-in module

2900947

https://www.phoenixcontact.com/us/products/2900947



Plug-in module, for mounting on RIF-1, RIF-2, RIF-3, and RIF-4, with varistor, input voltage: 48 V AC ... 60 V AC / DC ±20 %

## RIF-V-120-230 UC - Plug-in module

2900948

https://www.phoenixcontact.com/us/products/2900948



Plug-in module, for mounting on RIF-1, RIF-2, RIF-3, and RIF-4, with varistor, input voltage: 120 V AC ... 230 V AC / DC ±20 %

## RIF-RC-12-24 UC - Plug-in module

2900949

https://www.phoenixcontact.com/us/products/2900949



Plug-in module, for mounting on RIF-1, RIF-2, RIF-3, and RIF-4, with RC element, input voltage: 12 V AC ... 24 V AC / DC ±20 %

## RIF-RC-48-60 UC - Plug-in module

2900950

https://www.phoenixcontact.com/us/products/2900950



Plug-in module, for mounting on RIF-1, RIF-2, RIF-3, and RIF-4, with RC element, input voltage: 48 V AC ... 60 V AC / DC ±20 %

## RIF-RC-120-230 UC - Plug-in module

2900951

https://www.phoenixcontact.com/us/products/2900951



Plug-in module, for mounting on RIF-1, RIF-2, RIF-3, and RIF-4, with RC element, input voltage: 120 V AC ... 230 V AC / DC ±20 %

## RIF-T3-24UC - Timer module

2902647

https://www.phoenixcontact.com/us/products/2902647



Plug-in module for extending a relay module to create a timer relay, 3 time functions, 4 time ranges, for mounting on RIF-1, RIF-2, RIF-3, and RIF-4, input voltage: 12 V DC ... 24 V DC

## RIF-BR-12-230 AC - Plug-in module

2907060

https://www.phoenixcontact.com/us/products/2907060



Plug-in module, for mounting on RIF-1, RIF-2, RIF-3, and RIF-4, with bridge rectifier, input voltage: 12 V AC ... 230 V AC

## RIF-LDM-12-24 DC - Plug-in module

2907057

https://www.phoenixcontact.com/us/products/2907057



Plug-in module, for mounting on RIF-1, RIF-2, RIF-3, and RIF-4, with freewheeling diode and yellow LED, input voltage: 12 V DC ... 24 V DC ±20 %, polarity A1-, A2+

## NS 35/ 7,5 PERF 2000MM - DIN rail perforated

0801733

https://www.phoenixcontact.com/us/products/0801733



DIN rail perforated, Pack of 25 (50 m), acc. to EN 60715, material: Steel, galvanized, passivated with a thick layer, Standard profile, color: silver

## NS 35/ 7,5 UNPERF 2000MM - DIN rail, unperforated

0801681

https://www.phoenixcontact.com/us/products/0801681



DIN rail, unperforated, Pack of 25 (50 m), acc. to EN 60715, material: Steel, galvanized, passivated with a thick layer, Standard profile, color: silver

## NS 35/ 7,5 WH PERF 2000MM - DIN rail perforated

1204119

https://www.phoenixcontact.com/us/products/1204119



DIN rail perforated, Pack of 25 (50 m), acc. to EN 60715, material: Steel, Galvanized, white passivated, Standard profile, color: silver

## NS 35/ 7,5 WH UNPERF 2000MM-VPE 10 - DIN rail, unperforated

1204122

https://www.phoenixcontact.com/us/products/1204122



DIN rail, unperforated, Pack of 10 (20 m), acc. to EN 60715, material: Steel, Galvanized, white passivated, Standard profile, color: silver

## NS 35/ 7,5 AL UNPERF 2000MM - DIN rail, unperforated

0801704

https://www.phoenixcontact.com/us/products/0801704



DIN rail, unperforated, Pack of 25 (50 m), acc. to EN 60715, material: Aluminum, uncoated, Standard profile, color: silver

## NS 35/ 7,5 ZN PERF 2000MM - DIN rail perforated

1206421

https://www.phoenixcontact.com/us/products/1206421



DIN rail perforated, Pack of 25 (50 m), acc. to EN 60715, material: Steel, galvanized, Standard profile, color: silver

## NS 35/ 7,5 ZN UNPERF 2000MM - DIN rail, unperforated

1206434

https://www.phoenixcontact.com/us/products/1206434



DIN rail, unperforated, Pack of 25 (50 m), acc. to EN 60715, material: Steel, galvanized, Standard profile, color: silver

## NS 35/ 7,5 CU UNPERF 2000MM-VPE 10 - DIN rail, unperforated

0801762

https://www.phoenixcontact.com/us/products/0801762



DIN rail, unperforated, Pack of 10 (20 m), acc. to EN 60715, material: Copper, uncoated, Standard profile, color: copper-colored

## NS 35/ 7,5 CAP - End cap

1206560

https://www.phoenixcontact.com/us/products/1206560

DIN rail end piece, for DIN rail NS 35/7.5



## NS 35/15 PERF 2000MM - DIN rail perforated

1201730

https://www.phoenixcontact.com/us/products/1201730



DIN rail perforated, Pack of 25 (50 m), similar to EN 60715, material: Steel, galvanized, passivated with a thick layer, Standard profile, color: silver

## NS 35/15 UNPERF 2000MM - DIN rail, unperforated

1201714

https://www.phoenixcontact.com/us/products/1201714



DIN rail, unperforated, Pack of 25 (50 m), similar to EN 60715, material: Steel, galvanized, passivated with a thick layer, Standard profile, color: silver

## NS 35/15 WH PERF 2000MM - DIN rail perforated

0806602

https://www.phoenixcontact.com/us/products/0806602



DIN rail perforated, Pack of 25 (50 m), similar to EN 60715, material: Steel, Galvanized, white passivated, Standard profile, color: white

## NS 35/15 WH UNPERF 2000MM-VPE 10 - DIN rail, unperforated

1204135

https://www.phoenixcontact.com/us/products/1204135



DIN rail, unperforated, Pack of 10 (20 m), similar to EN 60715, material: Steel, Galvanized, white passivated, Standard profile, color: silver

## NS 35/15 AL UNPERF 2000MM - DIN rail, unperforated

1201756

https://www.phoenixcontact.com/us/products/1201756



DIN rail, unperforated, similar to EN 60715, material: Aluminum, uncoated, Standard profile, color: silver

## NS 35/15 ZN PERF 2000MM - DIN rail perforated

1206599

https://www.phoenixcontact.com/us/products/1206599



DIN rail perforated, Pack of 25 (50 m), similar to EN 60715, material: Steel, galvanized, Standard profile, color: silver

## NS 35/15 ZN UNPERF 2000MM - DIN rail, unperforated

1206586

https://www.phoenixcontact.com/us/products/1206586



DIN rail, unperforated, Pack of 25 (50 m), similar to EN 60715, material: Steel, galvanized, Standard profile, color: silver

## NS 35/15 CU UNPERF 2000MM-VPE 10 - DIN rail, unperforated

1201895

https://www.phoenixcontact.com/us/products/1201895



DIN rail, unperforated, Pack of 10 (20 m), similar to EN 60715, material: Copper, uncoated, Standard profile, color: copper-colored

## NS 35/15 CAP - End cap

1206573

https://www.phoenixcontact.com/us/products/1206573

DIN rail end piece, for DIN rail NS 35/15



## NS 35/15-2,3 UNPERF 2000MM-VPE 10 - DIN rail, unperforated

1201798

https://www.phoenixcontact.com/us/products/1201798



DIN rail, unperforated, Pack of 10 (20 m), acc. to EN 60715, material: Steel, galvanized, passivated with a thick layer, Standard profile 2.3 mm, color: silver


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