

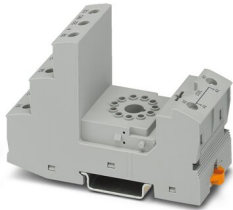
# RIF-3-BSC/3X21 - Relay base



2900936

<https://www.phoenixcontact.com/pc/products/2900936>

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 documentation. Our general terms of use for downloads are valid.



RIF-3... relay base, for octal relay with 3 changeover contacts, screw connection, plug-in option for input/interference suppression modules, for mounting on NS 35/7,5

## Commercial data

Item number	2900936
Packing unit	10 pc
Minimum order quantity	1 pc
Product key	CK6514
Catalog page	Page 307 (C-5-2019)
GTIN	4046356733038
Weight per piece (including packing)	89.29 g
Weight per piece (excluding packing)	86.71 g
Customs tariff number	85366990
Country of origin	CN

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



2900936

<https://www.phoenixcontact.com/pc/products/2900936>

## Technical data

### Product properties

Product type	Relay socket
Product family	RIFLINE complete

### Electrical properties

Nominal voltage $U_N$	250 V AC/DC
Nominal current $I_N$	max. 10.5 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 mm <sup>2</sup> ... 4 mm <sup>2</sup>
Conductor cross-section rigid (2 conductors with same cross section)	0.5 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Conductor cross section flexible	0.5 mm <sup>2</sup> ... 4 mm <sup>2</sup> 0.5 mm <sup>2</sup> ... 4 mm <sup>2</sup> (Ferrule with plastic sleeve)
Conductor cross section flexible (2 conductors with same cross section)	0.5 mm <sup>2</sup> ... 2.5 mm <sup>2</sup> 0.5 mm <sup>2</sup> ... 1.5 mm <sup>2</sup> (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	40 mm
Height	96 mm
Depth Retaining bracket	90 mm (with retaining bracket)

### Material specifications

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
----------------	---

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



2900936

<https://www.phoenixcontact.com/pc/products/2900936>

## Mounting

Mounting type	DIN rail mounting
Mounting position	any

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



2900936


<https://www.phoenixcontact.com/pc/products/2900936>

## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/pc/products/2900936>

 **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

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



2900936

<https://www.phoenixcontact.com/pc/products/2900936>

## Classifications

### ECLASS

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

### ETIM

ETIM 8.0	EC001456
----------	----------

### UNSPSC

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

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



2900936

<https://www.phoenixcontact.com/pc/products/2900936>

## Environmental product compliance

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

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

2900936

<https://www.phoenixcontact.com/pc/products/2900936>



## Mandatory accessories

### REL-OR3/LDP-24DC/3X21 - Single relay

2903693

<https://www.phoenixcontact.com/pc/products/2903693>



Plug-in octal relays with power contacts, 3 changeover contacts, test button, freewheeling diode, mechanical switching position indicator, polarity: A1+, A2-, input voltage: 24 V DC

---

### REL-OR3/L- 24AC/3X21 - Single relay

2903694

<https://www.phoenixcontact.com/pc/products/2903694>



Plug-in octal relays with power contacts, 3 changeover contacts, test button, mechanical switching position indicator, coil voltage: 24 V AC

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

2900936

<https://www.phoenixcontact.com/pc/products/2900936>



## REL-OR3/L-120AC/3X21 - Single relay

2903695

<https://www.phoenixcontact.com/pc/products/2903695>



Plug-in octal relays with power contacts, 3 changeover contacts, test button, mechanical switching position indicator, coil voltage: 120 V AC

---

## REL-OR3/L-230AC/3X21 - Single relay

2903696

<https://www.phoenixcontact.com/pc/products/2903696>



Plug-in octal relays with power contacts, 3 changeover contacts, test button, mechanical switching position indicator, input voltage: 230 V AC

---

## Accessories



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

2900936

<https://www.phoenixcontact.com/pc/products/2900936>



## FBS 2-6 - Plug-in bridge

3030336

<https://www.phoenixcontact.com/pc/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/pc/products/3036932>



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

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

2900936

<https://www.phoenixcontact.com/pc/products/2900936>



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

3032237

<https://www.phoenixcontact.com/pc/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/pc/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-3-BSC/3X21 - Relay base

2900936

<https://www.phoenixcontact.com/pc/products/2900936>



## RIF-RH-3 - Retaining bracket

2900955

<https://www.phoenixcontact.com/pc/products/2900955>



Relay retaining bracket, with holder for marking material, suitable for RIF-3 relay base, for octal relay

---

## EL3-M52 - Relay retaining bracket

2833628

<https://www.phoenixcontact.com/pc/products/2833628>



Relay retaining bracket, wiring to suit relay base RIF-3 and PR3, for 52 mm high octal relay

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

2900936

<https://www.phoenixcontact.com/pc/products/2900936>



## MPS-MT - Test plugs

0201744

<https://www.phoenixcontact.com/pc/products/0201744>



Test plugs, with solder connection up to 1 mm<sup>2</sup> conductor cross section, number of positions: 1, color: gray

---

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

2900939

<https://www.phoenixcontact.com/pc/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  $\pm 30\%$

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

2900936

<https://www.phoenixcontact.com/pc/products/2900936>



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

2900940

<https://www.phoenixcontact.com/pc/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  $\pm 20$  %

---

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

2900941

<https://www.phoenixcontact.com/pc/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  $\pm 20$  %

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

2900936

<https://www.phoenixcontact.com/pc/products/2900936>



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

2900942

<https://www.phoenixcontact.com/pc/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  $\pm 20$  %

---

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

2900943

<https://www.phoenixcontact.com/pc/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  $\pm 20$  %

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

2900936

<https://www.phoenixcontact.com/pc/products/2900936>



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

2900944

<https://www.phoenixcontact.com/pc/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  $\pm 20$  %

---

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

2900945

<https://www.phoenixcontact.com/pc/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  $\pm 20$  %

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

2900936

<https://www.phoenixcontact.com/pc/products/2900936>



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

2900947

<https://www.phoenixcontact.com/pc/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  $\pm$ 20 %

---

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

2900948

<https://www.phoenixcontact.com/pc/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  $\pm$ 20 %



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

2900936

<https://www.phoenixcontact.com/pc/products/2900936>



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

2900949

<https://www.phoenixcontact.com/pc/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  $\pm 20$  %

---

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

2900950

<https://www.phoenixcontact.com/pc/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  $\pm 20$  %

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

2900936

<https://www.phoenixcontact.com/pc/products/2900936>



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

2900951

<https://www.phoenixcontact.com/pc/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  $\pm 20$  %

---

## RIF-T3-24UC - Timer module

2902647

<https://www.phoenixcontact.com/pc/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-3-BSC/3X21 - Relay base

2900936

<https://www.phoenixcontact.com/pc/products/2900936>



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

0801733

<https://www.phoenixcontact.com/pc/products/0801733>



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

---

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

0801681

<https://www.phoenixcontact.com/pc/products/0801681>



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

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

2900936

<https://www.phoenixcontact.com/pc/products/2900936>



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

1204119

<https://www.phoenixcontact.com/pc/products/1204119>



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

---

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

1204122

<https://www.phoenixcontact.com/pc/products/1204122>



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

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

2900936

<https://www.phoenixcontact.com/pc/products/2900936>



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

0801704

<https://www.phoenixcontact.com/pc/products/0801704>



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

---

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

1206421

<https://www.phoenixcontact.com/pc/products/1206421>



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

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

2900936

<https://www.phoenixcontact.com/pc/products/2900936>



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

1206434

<https://www.phoenixcontact.com/pc/products/1206434>



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

---

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

0801762

<https://www.phoenixcontact.com/pc/products/0801762>



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

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

2900936

<https://www.phoenixcontact.com/pc/products/2900936>



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

1206560

<https://www.phoenixcontact.com/pc/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/pc/products/1201730>



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

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

2900936

<https://www.phoenixcontact.com/pc/products/2900936>



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

1201714

<https://www.phoenixcontact.com/pc/products/1201714>



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

---

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

0806602

<https://www.phoenixcontact.com/pc/products/0806602>



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



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

2900936

<https://www.phoenixcontact.com/pc/products/2900936>



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

1204135

<https://www.phoenixcontact.com/pc/products/1204135>



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

---

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

1201756

<https://www.phoenixcontact.com/pc/products/1201756>



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

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

2900936

<https://www.phoenixcontact.com/pc/products/2900936>



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

1206599

<https://www.phoenixcontact.com/pc/products/1206599>



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

---

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

1206586

<https://www.phoenixcontact.com/pc/products/1206586>



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

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

2900936

<https://www.phoenixcontact.com/pc/products/2900936>



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

1201895

<https://www.phoenixcontact.com/pc/products/1201895>



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

---

## NS 35/15 CAP - End cap

1206573

<https://www.phoenixcontact.com/pc/products/1206573>

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



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

2900936

<https://www.phoenixcontact.com/pc/products/2900936>



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

1201798

<https://www.phoenixcontact.com/pc/products/1201798>



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

---

Phoenix Contact 2023 © - all rights reserved

<https://www.phoenixcontact.com>

PHOENIX CONTACT GmbH & Co. KG

Flachsmarktstraße 8

D-32825 Blomberg

+49 (0) 5235-3 00

[info@phoenixcontact.com](mailto:info@phoenixcontact.com)