

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



2900936

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

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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	10 pc
Sales key	C465
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



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## Technical data

### Product properties

Product type	Relay socket
Product family	RIFLINE complete

### Data management status

Article revision	03
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### 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

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

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

## Mounting

Mounting type	DIN rail mounting
Mounting position	any

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



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## Approvals

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

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## Classifications

### ECLASS

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

### ETIM

ETIM 9.0	EC001456
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### UNSPSC

UNSPSC 21.0	39122300
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# RIF-3-BSC/3X21 - Relay base



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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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### 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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# RIF-3-BSC/3X21 - Relay base

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## Mandatory accessories

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

2903693

<https://www.phoenixcontact.com/us/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

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

2903694

<https://www.phoenixcontact.com/us/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

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

2903695

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



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

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

2903696

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



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

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## Accessories

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

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## 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

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## 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

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

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



## 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

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## 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

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## RIF-RH-3 - Retaining bracket

2900955

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



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

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## EL3-M52 - Relay retaining bracket

2833628

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



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

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## MPS-MT - Test plug

0201744

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



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

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## 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  $\pm 30\%$

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

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### 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  $\pm 20$  %

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### 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  $\pm 20$  %

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

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## 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  $\pm 20$  %

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## 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  $\pm 20$  %

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

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## 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  $\pm 20$  %

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## 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  $\pm 20$  %

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

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## 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  $\pm 20$  %

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## 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  $\pm 20$  %

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

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## 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  $\pm 20$  %

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## 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  $\pm 20$  %

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

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



## 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  $\pm 20$  %

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

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



## 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

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## 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  $\pm 20\%$ , polarity A1-, A2+

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

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## 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

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## 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

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

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



## 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

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## 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

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

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## 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

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## 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

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

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## 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

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## 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

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

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## 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



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## 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

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

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



## 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

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## 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

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

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## 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

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## 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

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

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## 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

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## 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

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

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## 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

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## NS 35/15 CAP - End cap

1206573

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

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



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

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