

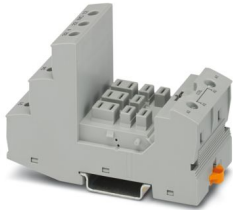
RIF-4-BSC/3X21 - Relay base



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

RIF-4-BSC/3X21 - Relay base



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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 mm ² ... 4 mm ²
Conductor cross-section rigid (2 conductors with same cross section)	0.5 mm ² ... 2.5 mm ²
Conductor cross section flexible	0.5 mm ² ... 4 mm ²
	0.5 mm ² ... 4 mm ² (Ferrule with plastic sleeve)
Conductor cross section flexible (2 conductors with same cross section)	0.5 mm ² ... 2.5 mm ²
	0.5 mm ² ... 1.5 mm ² (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
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RIF-4-BSC/3X21 - Relay base



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	EN 60068-2-60
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Mounting

Mounting type	DIN rail mounting
Mounting position	any

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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

RIF-4-BSC/3X21 - Relay base



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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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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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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

RIF-4-BSC/3X21 - Relay base

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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

RIF-4-BSC/3X21 - Relay base

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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

RIF-4-BSC/3X21 - Relay base

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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

RIF-4-BSC/3X21 - Relay base

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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

RIF-4-BSC/3X21 - Relay base

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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

RIF-4-BSC/3X21 - Relay base

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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

RIF-4-BSC/3X21 - Relay base

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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

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

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-4-BSC/3X21 - Relay base

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



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 mm² conductor cross section, number of positions: 1, color: gray

RIF-4-BSC/3X21 - Relay base

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

2900939

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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-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 $\pm 20\%$

RIF-4-BSC/3X21 - Relay base

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



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-4-BSC/3X21 - Relay base

2900960

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



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-4-BSC/3X21 - Relay base

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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-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 %

RIF-4-BSC/3X21 - Relay base

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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-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 $\pm 20\%$

RIF-4-BSC/3X21 - Relay base

2900960

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



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-4-BSC/3X21 - Relay base

2900960

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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-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-4-BSC/3X21 - Relay base

2900960

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



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+

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

RIF-4-BSC/3X21 - Relay base

2900960

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



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

RIF-4-BSC/3X21 - Relay base

2900960

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



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

RIF-4-BSC/3X21 - Relay base

2900960

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



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

RIF-4-BSC/3X21 - Relay base

2900960

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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

NS 35/ 7,5 CAP - End cap

1206560

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



RIF-4-BSC/3X21 - Relay base

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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

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

RIF-4-BSC/3X21 - Relay base

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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

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

RIF-4-BSC/3X21 - Relay base

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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

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

RIF-4-BSC/3X21 - Relay base

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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

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

RIF-4-BSC/3X21 - Relay base

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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



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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