RIF-2-BSC/4X21/EX - Relay base

1047031

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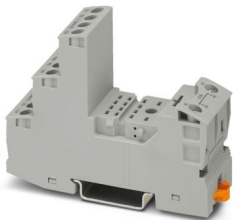
RIF-2.../EX relay base for assembling with RTIII-sealed industrial relays with 4 changeover contacts for use in zone 2, screw connection, plug-in option for input / interference suppression modules, for mounting on NS 35/7,5

Commercial data

Item number	1047031
Packing unit	10 pc
Minimum order quantity	10 pc
Sales key	C465
Product key	CK6513
GTIN	4055626646114
Weight per piece (including packing)	78.86 g
Weight per piece (excluding packing)	68 g
Customs tariff number	85366990
Country of origin	CN

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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	4x 6 A
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	27 mm
Height	89 mm
Depth Retaining bracket	75 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 ... 60 °C (Related to the assembly)
Ambient temperature (storage/transport)	-40 °C ... 85 °C

Approvals

Corrosive gas test

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

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Mounting

Mounting type	DIN rail mounting
Mounting position	any

Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1047031

UL Listed
Approval ID: FILE E 238705

cUL Listed
Approval ID: FILE E 238705

IECEx
Approval ID: IECEx IBE 17.0032X

cUL Listed
Approval ID: File E 196811

UL Listed
Approval ID: File E 196811

ATEX
Approval ID: IBExU 17 ATEX B014 X

cULus Listed

cULus Listed

RIF-2-BSC/4X21/EX - Relay base

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%

RIF-2-BSC/4X21/EX - Relay base

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Mandatory accessories

REL-IR4/24DC/4X21/EX - Single relay

2909738

https://www.phoenixcontact.com/us/products/2909738

Pluggable industrial relay, RT III sealed with power contacts, 4x changeover contacts, mechanical switch position indicator, polarity: non-polarized, input voltage: 24 V DC, in connection with RIF-2.../EX bases approved in accordance with ATEX/IECEx (zone 2) and Ex zone class I, div. 2.

REL-IR4/230AC/4X21/EX - Single relay

2909742

https://www.phoenixcontact.com/us/products/2909742

Pluggable industrial relay, RT III sealed with power contacts, 4x changeover contacts, mechanical switch position indicator, polarity: non-polarized, input voltage: 230 V AC, in connection with RIF-2.../EX bases approved in accordance with ATEX/IECEx (zone 2) and Ex zone class I, div. 2.

RIF-2-BSC/4X21/EX - Relay base

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REL-IR4/120AC/4X21/EX - Single relay

2909744

https://www.phoenixcontact.com/us/products/2909744

Pluggable industrial relay, RT III sealed with power contacts, 4x changeover contacts, mechanical switch position indicator, polarity: non-polarized, input voltage: 120 V AC, in connection with RIF-2.../EX bases approved in accordance with ATEX/IECEx (zone 2) and Ex zone class I, div. 2.

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-2-BSC/4X21/EX - 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

RIF-2-BSC/4X21/EX - Relay base

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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-2 - Retaining bracket

2900954

https://www.phoenixcontact.com/us/products/2900954

Relay retaining bracket, with ejector function and holder for marking material, suitable for RIF-2 relay base, for industrial relay

RIF-2-BSC/4X21/EX - Relay base

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RIF-RHS-2 - Retaining bracket

2908043

https://www.phoenixcontact.com/us/products/2908043

Reinforced relay retaining bracket, with eject function and holder for marking material, suitable for RIF-2 relay base, for industrial relays

RIF-RHM-2 - Relay retaining bracket

2905984

https://www.phoenixcontact.com/us/products/2905984

Relay retaining bracket, wire model, suitable for RIF-2 relay base

RIF-2-BSC/4X21/EX - Relay base

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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^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-2-BSC/4X21/EX - 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 ±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-2-BSC/4X21/EX - 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 ±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-2-BSC/4X21/EX - Relay base

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

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

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-2-BSC/4X21/EX - Relay base

1047031

https://www.phoenixcontact.com/us/products/1047031

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-2-BSC/4X21/EX - Relay base

1047031

https://www.phoenixcontact.com/us/products/1047031

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-2-BSC/4X21/EX - Relay base

1047031

https://www.phoenixcontact.com/us/products/1047031

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-2-BSC/4X21/EX - Relay base

1047031

https://www.phoenixcontact.com/us/products/1047031

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+

RIF-2-BSC/4X21/EX - Relay base

1047031

https://www.phoenixcontact.com/us/products/1047031

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

RIF-2-BSC/4X21/EX - Relay base

1047031

https://www.phoenixcontact.com/us/products/1047031

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

RIF-2-BSC/4X21/EX - Relay base

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

RIF-2-BSC/4X21/EX - Relay base

1047031

https://www.phoenixcontact.com/us/products/1047031

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

RIF-2-BSC/4X21/EX - Relay base

1047031

https://www.phoenixcontact.com/us/products/1047031

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

RIF-2-BSC/4X21/EX - Relay base

1047031

https://www.phoenixcontact.com/us/products/1047031

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

RIF-2-BSC/4X21/EX - Relay base

1047031

https://www.phoenixcontact.com/us/products/1047031

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

RIF-2-BSC/4X21/EX - Relay base

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

RIF-2-BSC/4X21/EX - Relay base

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

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

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

RIF-2-BSC/4X21/EX - Relay base

1047031

https://www.phoenixcontact.com/us/products/1047031

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