PHŒNIX CONTACT

Relay base - RIF-1-BSC/2X21 - 2900930

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RIF-1... relay base, for miniature power relay with 1 or 2 changeover contacts or identical solid-state relays, screw connection, plug-in option for input/interference suppression modules, for mounting on NS 35/7,5

Key Commercial Data

Packing unit	10 pc
GTIN	4046356733137
GTIN	4046356733137
Weight per Piece (excluding packing)	45.000 g
Custom tariff number	85366990
Country of origin	China

Technical data

Dimensions

Width	16 mm
Height	89 mm
Depth with retaining bracket	75 mm

Ambient conditions

Ambient temperature (operation)	-40 °C ... 85 °C (Depends on application/assembly)
Ambient temperature (storage/transport)	-40 °C ... 85 °C

Input data

Protective circuit	depending on the selected input/suppressor modules

Connection data, input side

Connection name	Coil side
Connection method	Screw connection
Stripping length	8 mm
Conductor cross section solid	0.5 mm² ... 4 mm²

Relay base - RIF-1-BSC/2X21 - 2900930

Technical data

Connection data, input side

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)
Torque	0.5 Nm ... 0.6 Nm

Connection data, output side

Connection name	Contact side
Connection method	Screw connection
Stripping length	8 mm
Conductor cross section solid	0.5 mm² ... 4 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)
Torque	0.5 Nm ... 0.6 Nm

General

Type of note	Notes on operation
Note	FBS 2-6... plug-in bridge for the input side (A2) and FBS-2-8... plug-in bridge for the output side (11/21)
Nominal voltage U_N	250 V AC/DC
Nominal current I_N	max. 15.5 A (Depends on application/assembly)
Protective circuit	depending on the selected input/suppressor modules
Color	gray
Mounting position	any

Standards and Regulations

Flammability rating according to UL 94	V2

Environmental Product Compliance

China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Classifications

eCl@ss

eCl@ss 4.0	27371102

Relay base - RIF-1-BSC/2X21 - 2900930

Classifications

eCl@ss

eCl@ss 4.1	27371102
eCl@ss 5.0	27371603
eCl@ss 5.1	27371600
eCl@ss 6.0	27371600
eCl@ss 7.0	27371603
eCl@ss 8.0	27371603
eCl@ss 9.0	27371603

ETIM

ETIM 2.0	EC001456
ETIM 3.0	EC001456
ETIM 4.0	EC001456
ETIM 5.0	EC001456
ETIM 6.0	EC001456

UNSPSC

UNSPSC 6.01	30211917
UNSPSC 7.0901	39121516
UNSPSC 11	39121516
UNSPSC 12.01	39121516
UNSPSC 13.2	39122326

Approvals

Approvals

Approvals

DNV GL / CSA / UL Recognized / EAC

Ex Approvals

Approval details

DNV GL		http://exchange.dnv.com/tari/	TAA000018V

CSA		http://www.csagroup.org/services-industries/product-listing/	2607057

Relay base - RIF-1-BSC/2X21 - 2900930

Approvals

UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 113228

EAC			RU C-DE.A*30.B.01082

Accessories

Accessories

End block

End clamp - CLIPFIX 35 - 3022218

Quick mounting end clamp for NS 35/7,5 DIN rail or NS 35/15 DIN rail, with marking option, width: 9.5 mm, color: gray

Insulating sleeve

Insulating sleeve - MPS-IH WH - 0201663

Insulating sleeve, color: white

Insulating sleeve - MPS-IH RD - 0201676

Insulating sleeve, color: red

Insulating sleeve - MPS-IH BU - 0201689

Insulating sleeve, color: blue

Relay base - RIF-1-BSC/2X21 - 2900930

Accessories

Insulating sleeve - MPS-IH YE - 0201692

Insulating sleeve, color: yellow

Insulating sleeve - MPS-IH GN - 0201702

Insulating sleeve, color: green

Insulating sleeve - MPS-IH GY - 0201728

Insulating sleeve, color: gray

Insulating sleeve - MPS-IH BK - 0201731

Insulating sleeve, color: black

Jumper

Plug-in bridge - FBS 2-6 - 3030336

Plug-in bridge, pitch: 6.2 mm, width: 10.7 mm, number of positions: 2, color: red

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Relay base - RIF-1-BSC/2X21 - 2900930

Accessories

Plug-in bridge - FBS 2-6 BU - 3036932

Plug-in bridge, pitch: 6.2 mm, width: 10.7 mm, number of positions: 2, color: blue

Plug-in bridge - FBS 2-6 GY - 3032237

Plug-in bridge, pitch: 6.2 mm, width: 10.7 mm, number of positions: 2, color: gray

Plug-in bridge - FBS 2-8 - 3030284

Plug-in bridge, pitch: 8.2 mm, width: 14.7 mm, number of positions: 2, color: red

Plug-in bridge - FBS 2-8 BU - 3032567

Plug-in bridge, pitch: 8.2 mm, width: 14.7 mm, number of positions: 2, color: blue

Plug-in bridge - FBS 2-8 GY 7042 - 3032541

Bridge for potential distribution

Marker carriers

Relay base - RIF-1-BSC/2X21 - 2900930

Accessories

Marker carriers - STP 5-2 - 0800967

Double marker carrier, snaps onto the double-level spring-cage terminal block STTB 2,5, STTB 4, PTTB 2,5, PTTB 4 can be marked with UC-TM 5, ZB 5 or UC-TMF 5, ZBF 5

Plug-in module

Plug-in module - RIF-LDP-12-24 DC - 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 ... 24 V DC ±20 %

Plug-in module - RIF-LDP-48-60 DC - 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 ... 60 V DC ±20 %

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

Plug-in module - RIF-LV-12-24 UC - 2900942

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

PHŒNIX CONTACT

Relay base - RIF-1-BSC/2X21 - 2900930

Accessories

Plug-in module - RIF-LV-48-60 UC - 2900943

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

Plug-in module - RIF-LV-120-230 AC/110 DC - 2900944

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

Plug-in module - RIF-V-12-24 UC - 2900945

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

Plug-in module - RIF-V-48-60 UC - 2900947

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

Plug-in module - RIF-V-120-230 UC - 2900948

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

Relay base - RIF-1-BSC/2X21 - 2900930

Accessories

Plug-in module - RIF-RC-12-24 UC - 2900949

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

Plug-in module - RIF-RC-48-60 UC - 2900950

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

Plug-in module - RIF-RC-120-230 UC - 2900951

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

Timer module - RIF-T3-24UC - 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 ... 24 V DC

Retaining bracket

Retaining bracket - RIF-RH-1 - 2900953

Relay retaining bracket, with ejector function and holder for marking material, suitable for RIF-1 relay base, for 16 mm tall miniature power relay and solid-state relay

Relay base - RIF-1-BSC/2X21 - 2900930

Accessories

Retaining bracket - RIF-RH-1-H - 2904468

Relay retaining bracket, with ejector function and holder for marking material, suitable for RIF-1 relay base, for 25 mm tall miniature power relay and solid-state relay

Relay retaining bracket - RIF-RHM-1 - 2905986

Relay retaining bracket, wire model, suitable for RIF-1 relay base, for 16 mm high octal miniature power and solid-state relays

Relay retaining bracket - RIF-RHM-1-H - 2905985

Relay retaining bracket, wire model, suitable for RIF-1 relay base, for 25 mm high octal miniature power relays

Single relay

Single relay - REL-MR- 12DC/21HC - 2961309

Plug-in miniature power relay, with power contact for high continuous currents, 1 PDT, input voltage 12 V DC

Single relay - REL-MR- 24DC/21HC - 2961312

Plug-in miniature power relay, with power contact for high continuous currents, 1 PDT, input voltage 24 V DC

Relay base - RIF-1-BSC/2X21 - 2900930

Accessories

Single relay - REL-MR- 48DC/21HC - 2834821

Plug-in miniature power relay, with power contact for high continuous currents, 1 PDT, input voltage 48 V DC

Single relay - REL-MR- 60DC/21HC - 2961325

Plug-in miniature power relay, with power contact for high continuous currents, 1 PDT, 60 V DC

Single relay - REL-MR-110DC/21HC - 2961338

Plug-in miniature power relay, with power contact for high continuous currents, 1 PDT, input voltage 110 V DC

Single relay - REL-MR- 24AC/21HC - 2961406

Plug-in miniature power relay, with power contact for high continuous currents, 1 PDT, input voltage 24 V AC

Single relay - REL-MR-120AC/21HC - 2961419

Plug-in miniature power relay, with power contact for high continuous currents, 1 PDT, input voltage 120 V AC

Relay base - RIF-1-BSC/2X21 - 2900930

Accessories

Single relay - REL-MR-230AC/21HC - 2961422

Plug-in miniature power relay, with power contact for high continuous currents, 1 PDT, input voltage 230 V AC

Single relay - REL-MR- 12DC/21HC AU - 2961532

Plug-in miniature power relay, with multi-layer gold contact for high continuous currents, 1 PDT, input voltage 12 V DC

Single relay - REL-MR- 24DC/21HC AU - 2961545

Plug-in miniature power relay, with multi-layer gold contact for high continuous currents, 1 PDT, input voltage 24 V DC

Single relay - REL-MR-110DC/21HC AU - 2961561

Plug-in miniature power relay, with multi-layer gold contact for high continuous currents, 1 PDT, input voltage 110 V DC

Single relay - REL-MR- 24AC/21HC AU - 2961503

Plug-in miniature power relay, with multi-layer gold contact for high continuous currents, 1 PDT, input voltage 24 V AC

Relay base - RIF-1-BSC/2X21 - 2900930

Accessories

Single relay - REL-MR-120AC/21HC AU - 2961516

Plug-in miniature power relay, with multi-layer gold contact for high continuous currents, 1 PDT, input voltage 120 V AC

Single relay - REL-MR-230AC/21HC AU - 2961529

Plug-in miniature power relay, with multi-layer gold contact for high continuous currents, 1 PDT, input voltage 230 V AC

Single relay - REL-MR- 12DC/21-21 - 2961257

Plug-in miniature power relay, with power contact, 2 PDTs, input voltage 12 V DC

Single relay - REL-MR- 24DC/21-21 - 2961192

Plug-in miniature power relay, with power contact, 2 PDTs, input voltage 24 V DC

Single relay - REL-MR- 48DC/21-21 - 2834834

Plug-in miniature power relay, with power contact, 2 PDTs, input voltage 48 V DC

Relay base - RIF-1-BSC/2X21 - 2900930

Accessories

Single relay - REL-MR- 60DC/21-21 - 2961273

Plug-in miniature power relay, with power contact, 2 PDTs, input voltage 60 V DC

Single relay - REL-MR-110DC/21-21 - 2961202

Plug-in miniature power relay, with power contact, 2 PDTs, input voltage 110 V DC

Single relay - REL-MR- 24AC/21-21 - 2961435

Plug-in miniature power relay, with power contact, 2 PDTs, input voltage 24 V AC

Single relay - REL-MR-120AC/21-21 - 2961448

Plug-in miniature power relay, with power contact, 2 PDTs, input voltage 120 V AC

Single relay - REL-MR-230AC/21-21 - 2961451

Plug-in miniature power relay, with power contact, 2 PDTs, input voltage 230 V AC

Relay base - RIF-1-BSC/2X21 - 2900930

Accessories

Single relay - REL-MR- 12DC/21-21AU - 2961299

Plug-in miniature power relay, with multi-layer gold contact, 2 PDTs, input voltage 12 V DC

Single relay - REL-MR- 24DC/21-21AU - 2961215

Plug-in miniature power relay, with multi-layer gold contact, 2 PDTs, input voltage 24 V DC

Single relay - REL-MR- 48DC/21-21AU - 2834847

Plug-in miniature power relay, with multi-layer gold contact, 2 PDTs, input voltage 48 V DC

Single relay - REL-MR- 60DC/21-21AU - 2961286

Plug-in miniature power relay, with multi-layer gold contact, 2 PDTs, input voltage 60 V DC

Single relay - REL-MR-110DC/21-21AU - 2961228

Plug-in miniature power relay, with multi-layer gold contact, 2 PDTs, input voltage 110 V DC

Relay base - RIF-1-BSC/2X21 - 2900930

Accessories

Single relay - REL-MR- 24AC/21-21AU - 2961464

Plug-in miniature power relay, with multi-layer gold contact, 2 PDTs, input voltage 24 V AC

Single relay - REL-MR-120AC/21-21AU - 2961477

Plug-in miniature power relay, with multi-layer gold contact, 2 PDTs, input voltage 120 V AC

Single relay - REL-MR-230AC/21-21AU - 2961480

Plug-in miniature power relay, with multi-layer gold contact, 2 PDTs, input voltage 230 V AC

Single relay - REL-MR- 24DC/21HC/MS - 2987888

Plug-in miniature relay, with power contact, 1 PDT, test button, mechanical switch position indicator, status LED, freewheeling diode, polarity A1+, A2-, input voltage 24 V DC

Single relay - REL-MR- 24AC/21HC/MS - 2987891

Plug-in miniature relay, with power contact, 1 PDT, test button, mechanical switch position indicator, status LED, input voltage 24 V AC

Relay base - RIF-1-BSC/2X21 - 2900930

Accessories

Single relay - REL-MR-120AC/21HC/MS - 2987901

Plug-in miniature relay, with power contact, 1 PDT, test button, mechanical switch position indicator, status LED, input voltage 120 V AC

Single relay - REL-MR-230AC/21HC/MS - 2987914

Plug-in miniature relay, with power contact, 1 PDT, test button, mechanical switch position indicator, status LED, input voltage 230 V AC

Single relay - REL-MR- 24DC/21HC AU/MS - 2987927

Plug-in miniature relay, with multi-layer contact with hard gold coating, 1 PDT, test button, mechanical switch position indicator, status LED, freewheeling diode, polarity A1+, A2-, input voltage 24 V DC

Single relay - REL-MR-230AC/21HC AU/MS - 2987930

Plug-in miniature relay, with multi-layer contact with hard gold coating, 1 PDT, test button, mechanical switch position indicator, status LED, input voltage 230 V AC

Single relay - REL-MR- 24DC/21-21/MS - 2987943

Plug-in miniature relay, with power contact, 2 PDTs, test button, mechanical switch position indicator, status LED, freewheeling diode, polarity A1+, A2, input voltage 24 V DC

PHŒNIX CONTACT

Relay base - RIF-1-BSC/2X21 - 2900930

Accessories

Single relay - REL-MR- 24AC/21-21/MS - 2987956

Plug-in miniature relay, with power contact, 2 PDTs, test button, mechanical switch position indicator, status LED, input voltage 24 V AC

Single relay - REL-MR-120AC/21-21/MS - 2987969

Plug-in miniature relay, with power contact, 2 PDTs, test button, mechanical switch position indicator, status LED, coil voltage 120 V AC

Single relay - REL-MR-230AC/21-21/MS - 2987972

Plug-in miniature relay, with power contact, 2 PDTs, test button, mechanical switch position indicator, status LED, coil voltage 230 V AC

Single relay - REL-MR- 24DC/21-21AU/MS - 2987985

Plug-in miniature relay, with multi-layer contact with hard gold coating, 2 PDTs, test button, mechanical switch position indicator, status LED, freewheeling diode, polarity A1+, A2-, input voltage 24 V DC

Single relay - REL-MR-230AC/21-21AU/MS - 2987998

Plug-in miniature relay, with multi-layer contact with hard gold coating, 2 PDTs, test button, mechanical switch position indicator, status LED, coil voltage 230 V AC

Single solid-state relay

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Relay base - RIF-1-BSC/2X21 - 2900930

Accessories

Miniature solid-state relay - OPT- 5DC/ 24DC/ 5 - 2982113

Plug-in miniature solid-state relay, power solid-state relay, 1 N/O contact, input: 5 V DC, output: 3 - 33 V DC/5 A

Miniature solid-state relay - OPT-24DC/ 24DC/ 5 - 2982100

Plug-in miniature solid-state relay, power solid-state relay, 1 N/O contact, input: 24 V DC, output: 3 - 33 V DC/5 A

Miniature solid-state relay - OPT-60DC/ 24DC/ 5 - 2982126

Plug-in miniature solid-state relay, power solid-state relay, 1 N/O contact, input: 60 V DC, output: 3 - 33 V DC/5 A

Miniature solid-state relay - OPT- 5DC/230AC/ 2 - 2982168

Plug-in miniature solid-state relay, power solid-state relay, 1 N/O contact, input: 5 V DC, output: 24 - 253 V AC/2 A

Miniature solid-state relay - OPT-24DC/230AC/ 2 - 2982171

Plug-in miniature solid-state relay, power solid-state relay, 1 N/O contact, input: 24 V DC, output: 24 - 253 V AC/2 A

Relay base - RIF-1-BSC/2X21 - 2900930

Accessories

Miniature solid-state relay - OPT-60DC/230AC/ 2 - 2982184

Plug-in miniature solid-state relay, power solid-state relay, 1 N/O contact, input: 60 V DC, output: 24 - 253 V AC/2 A

Terminal marking

Zack marker strip - ZB 5 :UNBEDRUCKT - 1050004

Zack marker strip, Strip, white, unlabeled, can be labeled with: PLOTMARK, CMS-P1-PLOTTER, mounting type: snap into tall marker groove, for terminal block width: 5.2 mm, lettering field size: 5.1 x 10.5 mm

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Zack marker strip - ZB 15:UNBEDRUCKT - 0811972

Zack marker strip, Strip, white, unlabeled, can be labeled with: PLOTMARK, CMS-P1-PLOTTER, mounting type: snap into tall marker groove, for terminal block width: 15.2 mm, lettering field size: 10.5 x 15.1 mm

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Marker for terminal blocks - UC-TM 16 - 0819217

Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, PLOTMARK, CMS-P1-PLOTTER, mounting type: snap into tall marker groove, for terminal block width: 16 mm, lettering field size: 15.45 x 10.5 mm

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Marker for terminal blocks - UC-TMF 16 - 0819262

Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, PLOTMARK, CMS-P1-PLOTTER, mounting type: snap into flat marker groove, for terminal block width: 16 mm, lettering field size: 15.45 x 5.1 mm

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Test plug terminal block

Relay base - RIF-1-BSC/2X21 - 2900930

Accessories

Test plugs - MPS-MT - 0201744

Test plugs, with solder connection up to 1 mm² conductor cross section, color: gray

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