

Relay base - RIF-2-BSC/4X21 - 2900932

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RIF-2... relay base, for industrial relay with 2 or 4 changeover contacts, 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	 4 046356 733168
GTIN	4046356733168

Technical data

Dimensions

Width	27 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
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General

Nominal voltage U_N	250 V AC/DC
Nominal current I_N	max. 12 A (Depends on application/assembly)
Protective circuit	depending on the selected input/suppressor modules
Color	gray
Flammability rating according to UL 94	V2 (Housing)
Mounting position	any

Connection data

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Technical data

Connection data

Connection name	Input side
Connection method	Screw connection
Stripping length	8 mm
Conductor cross section solid	0.5 mm ² ... 4 mm ²
Conductor cross-section solid (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)
Torque	0.5 Nm ... 0.6 Nm

Connection data 2

Connection name	Contact side
Connection method	Screw connection
Stripping length	8 mm
Conductor cross section solid	0.5 mm ² ... 4 mm ²
Conductor cross-section solid (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)
Torque	0.5 Nm ... 0.6 Nm

Environmental Product Compliance

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

Classifications

eCl@ss

eCl@ss 10.0.1	27371603
eCl@ss 4.0	27371100
eCl@ss 4.1	27371100
eCl@ss 5.0	27371600
eCl@ss 5.1	27371600
eCl@ss 6.0	27371600
eCl@ss 7.0	27371603

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Classifications

eCl@ss

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
ETIM 7.0	EC001456

UNSPSC

UNSPSC 6.01	30211917
UNSPSC 7.0901	39121516
UNSPSC 11	39121516
UNSPSC 12.01	39121516
UNSPSC 13.2	39122326
UNSPSC 18.0	39122335
UNSPSC 19.0	39122335
UNSPSC 20.0	39122335
UNSPSC 21.0	39122335

Approvals

Approvals

Approvals

DNV GL / CSA / UL Recognized / EAC

Ex Approvals

Approval details

DNV GL		https://approvalfinder.dnvgl.com/	TAA000018V
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CSA		http://www.csagroup.org/services-industries/product-listing/	2607057
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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



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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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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

Marker carriers

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 %

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Accessories

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 %

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 %

Relay base - RIF-2-BSC/4X21 - 2900932

Accessories

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 %

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 %

Relay base - RIF-2-BSC/4X21 - 2900932

Accessories

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-2 - 2900954



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

Relay retaining bracket - RIF-RHM-2 - 2905984



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

Single relay

Single relay - REL-IR2/LDP- 12DC/2X21 - 2903659



Plug-in industrial relay with power contacts, 2 PDTs, test key, status LED, freewheeling diode, mechanical switch position indicator, polarity: A1+, A2-, input voltage 12 V DC

Single relay - REL-IR2/LDP- 24DC/2X21 - 2903660



Plug-in industrial relay with power contacts, 2 PDTs, test key, status LED, freewheeling diode, mechanical switch position indicator, polarity: A1+, A2-, input voltage: 24 V DC

Relay base - RIF-2-BSC/4X21 - 2900932

Accessories

Single relay - REL-IR2/LDP- 48DC/2X21 - 2903661



Plug-in industrial relay with power contacts, 2 PDTs, test key, status LED, freewheeling diode, mechanical switch position indicator, polarity: A1+, A2-, input voltage: 48 V DC

Single relay - REL-IR2/LDP- 60DC/2X21 - 2903662



Plug-in industrial relay with power contacts, 2 PDTs, test key, status LED, freewheeling diode, mechanical switch position indicator, polarity: A1+, A2-, input voltage: 60 V DC

Single relay - REL-IR2/LDP-110DC/2X21 - 2903663



Plug-in industrial relay with power contacts, 2 PDTs, test key, status LED, freewheeling diode, mechanical switch position indicator, polarity: A1+, A2-, input voltage: 110 V DC

Single relay - REL-IR2/L- 24AC/2X21 - 2903666



Plug-in industrial relay with power contacts, 2 PDTs, test key, status LED, mechanical switch position indicator, input voltage: 24 V AC

Single relay - REL-IR2/L-120AC/2X21 - 2903667



Plug-in industrial relay with power contacts, 2 PDTs, test key, status LED, mechanical switch position indicator, input voltage: 120 V AC

Relay base - RIF-2-BSC/4X21 - 2900932

Accessories

Single relay - REL-IR2/L-230AC/2X21 - 2903668



Plug-in industrial relay with power contacts, 2 PDTs, test key, status LED, mechanical switch position indicator, input voltage: 230 V AC

Single relay - REL-IR4/LDP- 12DC/4X21 - 2903676



Plug-in industrial relay with power contacts and additional hard gold plating, 4 PDTs, test key, status LED, freewheeling diode, mechanical switch position indicator, polarity: A1+, A2-, coil voltage: 12 V DC

Single relay - REL-IR4/LDP- 24DC/4X21 - 2903677



Plug-in industrial relay with power contacts, 4 PDTs, test key, status LED, freewheeling diode, mechanical switch position indicator, polarity: A1+, A2-, input voltage: 24 V DC

Single relay - REL-IR4/LDP- 48DC/4X21 - 2903678



Plug-in industrial relay with power contacts, 4 PDTs, test key, status LED, freewheeling diode, mechanical switch position indicator, polarity: A1+, A2-, coil voltage: 48 V DC

Single relay - REL-IR4/LDP- 60DC/4X21 - 2903679



Plug-in industrial relay with power contacts, 4 PDTs, test key, status LED, freewheeling diode, mechanical switch position indicator, polarity: A1+, A2-, coil voltage: 60 V DC

Relay base - RIF-2-BSC/4X21 - 2900932

Accessories

Single relay - REL-IR4/LDP-110DC/4X21 - 2903680



Plug-in industrial relay with power contacts, 4 PDTs, test key, status LED, freewheeling diode, mechanical switch position indicator, polarity: A1+, A2-, coil voltage: 110 V DC

Single relay - REL-IR4/L- 24AC/4X21 - 2903686



Plug-in industrial relay with power contacts, 4 PDTs, test key, status LED, mechanical switch position indicator, coil voltage: 24 V AC

Single relay - REL-IR4/L-120AC/4X21 - 2903687



Plug-in industrial relay with power contacts, 4 PDTs, test key, status LED, mechanical switch position indicator, coil voltage: 120 V AC

Single relay - REL-IR4/L-230AC/4X21 - 2903688



Plug-in industrial relay with power contacts, 4 PDTs, test key, status LED, mechanical switch position indicator, input voltage: 230 V AC

Single relay - REL-IR4/LDP- 12DC/4X21AU - 2903669



Plug-in industrial relay with power contacts and additional hard gold plating, 4 PDTs, test key, status LED, freewheeling diode, mechanical switch position indicator, polarity: A1+, A2-, coil voltage: 12 V DC

Relay base - RIF-2-BSC/4X21 - 2900932

Accessories

Single relay - REL-IR4/LDP- 24DC/4X21AU - 2903670



Plug-in industrial relay with power contacts and additional hard gold plating, 4 PDTs, test key, status LED, freewheeling diode, mechanical switch position indicator, polarity: A1+, A2-, coil voltage: 24 V DC

Single relay - REL-IR4/LDP- 48DC/4X21AU - 2903671



Plug-in industrial relay with power contacts and additional hard gold plating, 4 PDTs, test key, status LED, freewheeling diode, mechanical switch position indicator, polarity: A1+, A2-, coil voltage: 48 V DC

Single relay - REL-IR4/LDP- 60DC/4X21AU - 2903672



Plug-in industrial relay with power contacts and additional hard gold plating, 4 PDTs, test key, status LED, freewheeling diode, mechanical switch position indicator, polarity: A1+, A2-, coil voltage: 60 V DC

Single relay - REL-IR4/LDP-110DC/4X21AU - 2903673



Plug-in industrial relay with power contacts and additional hard gold plating, 4 PDTs, test key, status LED, freewheeling diode, mechanical switch position indicator, polarity: A1+, A2-, coil voltage: 110 V DC

Single relay - REL-IR4/L- 24AC/4X21AU - 2903683



Plug-in industrial relay with power contacts and additional hard gold plating, 4 PDTs, test button, status LED, mechanical switch setting display, coil voltage: 24 V AC

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Accessories

Single relay - REL-IR4/L-120AC/4X21AU - 2903684



Plug-in industrial relay with power contacts and additional hard gold plating, 4 PDTs, test button, status LED, mechanical switch setting display, coil voltage: 120 V AC

Single relay - REL-IR4/L-230AC/4X21AU - 2903685



Plug-in industrial relay with power contacts and additional hard gold plating, 4 PDTs, test button, status LED, mechanical switch setting display, coil voltage: 230 V AC

Single relay - REL-IR2/24DC/2X21 - 2907051



Plug-in industrial relay with power contacts, 2 changeover contacts, test key, mechanical switch position indicator, polarity: bipolar, input voltage: 24 V DC

Single relay - REL-IR2/100AC/2X21 - 2907052



Plug-in industrial relay with power contacts, 2 changeover contacts, test key, mechanical switch position indicator, polarity: bipolar, input voltage: 100 V AC

Single relay - REL-IR2/200AC/2X21 - 2907053



Plug-in industrial relay with power contacts, 2 changeover contacts, test key, mechanical switch position indicator, polarity: bipolar, input voltage: 200 V AC

Relay base - RIF-2-BSC/4X21 - 2900932

Accessories

Single relay - REL-IR4/24DC/4X21 - 2907054



Plug-in industrial relay with power contacts, 4 changeover contacts, test key, mechanical switch position indicator, polarity: bipolar, input voltage: 24 V DC

Single relay - REL-IR4/100AC/4X21 - 2907055



Plug-in industrial relay with power contacts, 4 changeover contacts, test key, mechanical switch position indicator, polarity: bipolar, input voltage: 100 V AC

Single relay - REL-IR4/200AC/4X21 - 2907056



Plug-in industrial relay with power contacts, 4 changeover contacts, test key, mechanical switch position indicator, polarity: bipolar, input voltage: 200 V AC

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, Number of individual labels: 10

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, Number of individual labels: 5

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Accessories

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, Number of individual labels: 32

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, Number of individual labels: 32

Test plug terminal block

Test plugs - MPS-MT - 0201744



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

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