

Solid-state relay module - RIF-0-OSC-24DC/230AC/1 - 2905656


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Pre-assembled solid-state relay module with screw connection, consisting of: relay base with ejector and plug-in miniature solid-state relay. Input voltage: 24 V DC. Output: 24 - 253 V AC/0.75 A



Key Commercial Data

| | |
|----------------------|---------------------------------------------------------------------------------------------------------|
| Packing unit | 1 |
| GTIN |  4 046356 983518 |
| GTIN | 4046356983518 |
| Custom tariff number | 85364110 |

Technical data

Note

| | |
|-------------------------|---------------------------------------------------------------------------|
| Utilization restriction | EMC: class A product, see manufacturer's declaration in the download area |
|-------------------------|---------------------------------------------------------------------------|

Dimensions

| | |
|--------|--------|
| Width | 6.2 mm |
| Height | 84 mm |
| Depth | 68 mm |

Ambient conditions

| | |
|-----------------------------------------|------------------|
| Ambient temperature (operation) | -25 °C ... 60 °C |
| Ambient temperature (storage/transport) | -40 °C ... 85 °C |

Coil side

| | |
|-----------------------------------------|--------|
| Power dissipation for nominal condition | 0.19 W |
|-----------------------------------------|--------|

Connection data input side

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Technical data

Connection data input side

| | |
|----------------------------------|-------------------------------------------------------------------------------|
| Connection name | Input side |
| Connection method | Screw connection |
| Stripping length | 7 mm |
| Conductor cross section solid | 0.5 mm ² ... 4 mm ² |
| Conductor cross section flexible | 0.5 mm ² ... 2.5 mm ² |
| | 0.5 mm ² ... 2.5 mm ² (Ferrules without plastic sleeve) |
| | 0.5 mm ² ... 1.5 mm ² (Ferrule with plastic sleeve) |
| Conductor cross section AWG | 20 ... 12 |
| Torque | 0.5 Nm |

Connection data output side

| | |
|----------------------------------|-------------------------------------------------------------------------------|
| Connection name | Output side |
| Connection method | Screw connection |
| Stripping length | 7 mm |
| Conductor cross section solid | 0.5 mm ² ... 4 mm ² |
| Conductor cross section flexible | 0.5 mm ² ... 2.5 mm ² |
| | 0.5 mm ² ... 2.5 mm ² (Ferrules without plastic sleeve) |
| | 0.5 mm ² ... 1.5 mm ² (Ferrule with plastic sleeve) |
| Conductor cross section AWG | 20 ... 12 |
| Torque | 0.5 Nm |

General

| | |
|-----------------------|---------------------------|
| Operating mode | 100% operating factor |
| Degree of protection | IP20 |
| Mounting position | any |
| Assembly instructions | In rows with zero spacing |

Standards and Regulations

| | |
|--------------------------|------------------------------------------------------------------|
| Designation | Air clearances and creepage distances between the power circuits |
| Standards/regulations | DIN EN 50178 |
| Rated insulation voltage | 260 V AC |
| Rated surge voltage | 4 kV |
| Insulation | Basic insulation |
| Degree of pollution | 2 |
| Overvoltage category | III |

Environmental Product Compliance

| | |
|------------|------------------------------------------|
| China RoHS | Environmentally Friendly Use Period = 50 |
|------------|------------------------------------------|

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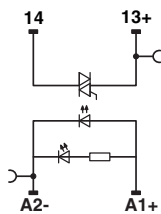
Technical data

Environmental Product Compliance

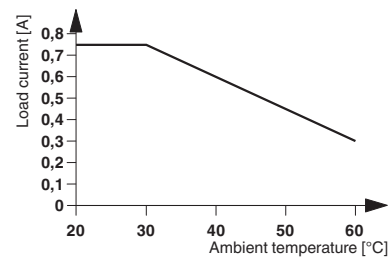
| | |
|--|-----------------------------------------------------------------------------------------------------|
| | For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration" |
|--|-----------------------------------------------------------------------------------------------------|

Drawings

Circuit diagram



Diagram



Articles in set

Miniature solid-state relay - OPT-24DC/230AC/ 1 - 2967950



Plug-in miniature solid-state relay, power solid-state relay, 1 N/O contact, input: 24 V DC, output: 24 - 253 V AC/0.75 A

Relay socket - RIF-0-BPT/1 - 2901873



RIF-0... relay base, for miniature power relay with 1 N/O contact or solid-state relays of the same design, push-in connection, for mounting on NS 35/7,5

Classifications

eCl@ss

| | |
|------------|----------|
| eCl@ss 5.0 | 27371001 |
| eCl@ss 5.1 | 27371001 |
| eCl@ss 6.0 | 27371604 |
| eCl@ss 7.0 | 27371604 |
| eCl@ss 8.0 | 27371604 |

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Classifications

eCl@ss

| | |
|------------|----------|
| eCl@ss 9.0 | 27371604 |
|------------|----------|

ETIM

| | |
|----------|----------|
| ETIM 2.0 | EC001504 |
| ETIM 3.0 | EC001504 |
| ETIM 4.0 | EC001504 |
| ETIM 5.0 | EC001504 |
| ETIM 6.0 | EC001504 |

UNSPSC

| | |
|-------------|----------|
| UNSPSC 13.2 | 39122326 |
|-------------|----------|

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

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Accessories

Insulating sleeve - MPS-IH BU - 0201689



Insulating sleeve, Color: blue

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

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Accessories

Plug-in bridge - FBS 2-6 - 3030336



Plug-in bridge, Pitch: 6.2 mm, Length: 3 mm, Width: 10.7 mm, Number of positions: 2, Color: red

Plug-in bridge - FBS 3-6 - 3030242



Plug-in bridge, Pitch: 6.2 mm, Length: 3 mm, Width: 16.9 mm, Number of positions: 3, Color: red

Plug-in bridge - FBS 4-6 - 3030255



Plug-in bridge, Pitch: 6.2 mm, Length: 3 mm, Width: 23.1 mm, Number of positions: 4, Color: red

Plug-in bridge - FBS 5-6 - 3030349



Plug-in bridge, Pitch: 6.2 mm, Length: 3 mm, Width: 29.3 mm, Number of positions: 5, Color: red

Plug-in bridge - FBS 10-6 - 3030271



Plug-in bridge, Pitch: 6.2 mm, Length: 23 mm, Width: 60.3 mm, Number of positions: 10, Color: red

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Accessories

Plug-in bridge - FBS 20-6 - 3030365



Plug-in bridge, Pitch: 6.2 mm, Length: 23 mm, Width: 122.3 mm, Number of positions: 20, Color: red

Plug-in bridge - FBS 50-6 - 3032224



Plug-in bridge, Pitch: 6.2 mm, Number of positions: 50, Color: red

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



Plug-in bridge, Pitch: 6.2 mm, Length: 3 mm, Width: 10.7 mm, Number of positions: 2, Color: blue

Plug-in bridge - FBS 3-6 BU - 3036945



Plug-in bridge, Pitch: 6.2 mm, Length: 3 mm, Width: 16.9 mm, Number of positions: 3, Color: blue

Plug-in bridge - FBS 4-6 BU - 3036958



Plug-in bridge, Pitch: 6.2 mm, Length: 3 mm, Width: 23.1 mm, Number of positions: 4, Color: blue

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Accessories

Plug-in bridge - FBS 5-6 BU - 3036961



Plug-in bridge, Pitch: 6.2 mm, Length: 3 mm, Width: 29.3 mm, Number of positions: 5, Color: blue

Plug-in bridge - FBS 10-6 BU - 3032198



Plug-in bridge, Pitch: 6.2 mm, Number of positions: 10, Color: blue

Plug-in bridge - FBS 20-6 BU - 3032208



Plug-in bridge, Pitch: 6.2 mm, Number of positions: 20, Color: blue

Plug-in bridge - FBS 50-6 BU - 3032211



Plug-in bridge, Pitch: 6.2 mm, Number of positions: 50, Color: blue

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



Plug-in bridge, Pitch: 6.2 mm, Length: 3 mm, Width: 10.7 mm, Number of positions: 2, Color: gray

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Accessories

Plug-in bridge - FBS 3-6 GY - 3032240



Plug-in bridge, Pitch: 6.2 mm, Length: 3 mm, Width: 16.9 mm, Number of positions: 3, Color: gray

Plug-in bridge - FBS 4-6 GY - 3032279



Plug-in bridge, Pitch: 6.2 mm, Length: 3 mm, Width: 23.1 mm, Number of positions: 4, Color: gray

Plug-in bridge - FBS 5-6 GY - 3032266



Plug-in bridge, Pitch: 6.2 mm, Length: 3 mm, Width: 29.3 mm, Number of positions: 5, Color: gray

Plug-in bridge - FBS 10-6 GY - 3032253



Plug-in bridge, Pitch: 6.2 mm, Number of positions: 10, Color: gray

Terminal marking

Zack marker strip - ZB 6:UNBEDRUCKT - 1051003



Zack marker strip, Strip, white, unlabeled, can be labeled with: CMS-P1-PLOTTER, PLOTMARK, Mounting type: Snap into tall marker groove, for terminal block width: 6.2 mm, Lettering field: 6.15 x 10.5 mm

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Accessories

Test plug terminal block

Test plugs - MPS-MT - 0201744



Test plugs, with solder connection up to 1 mm² conductor cross section, Color: silver