

Relay Module - RIF-0-RPT-12DC/ 1 - 2903362

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Pre-assembled relay module with push-in connection, consisting of: relay base with ejector and power contact relay. Contact type: 1 N/O contact. Input voltage: 12 V DC



Key commercial data

Packing unit	1 pc
Weight per Piece (excluding packing)	24.0 GRM
Custom tariff number	85364110
Country of origin	Germany

Technical data

Note

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

Width	6.2 mm
Height	93 mm
Depth	66 mm

Ambient conditions

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

Coil side

Nominal input voltage U_N	12 V DC
Input voltage range in reference to U_N	see diagram
Typical input current at U_N	16 mA

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Technical data

Coil side

Typical response time	5 ms
Typical release time	8 ms
Operating voltage display	Yellow LED
Protective circuit	Damping diode

Contact side

Contact type	1 N/O contact
Contact material	AgSnO
Maximum switching voltage	250 V AC/DC
Minimum switching voltage	5 V (at 100 mA)
Min. switching current	10 mA (at 12 V)
Limiting continuous current	6 A
Interrupting rating (ohmic load) max.	140 W (at 24 V DC)
	20 W (at 48 V DC)
	18 W (at 60 V DC)
	23 W (at 110 V DC)
	40 W (at 220 V DC)
	1500 VA (for 250 V AC)
Switching capacity in acc. with DIN VDE 0660/IEC 60947	1 A (at 24 V, DC13)
	0.2 A (at 110 V, DC13)
	0.1 A (at 220 V, DC13)
	3 A (at 24 V, AC15)
	3 A (at 120 V, AC15)
	3 A (at 230 V, AC15)

Connection data

Connection method	Push-in connection
Stripping length	8 mm
Conductor cross section stranded min.	0.14 mm ²
Conductor cross section stranded max.	1.5 mm ²
Conductor cross section solid min.	0.14 mm ²
Conductor cross section solid max.	1.5 mm ²
Conductor cross section stranded, with ferrule with plastic sleeve min.	0.14 mm ²
Conductor cross section stranded, with ferrule with plastic sleeve max.	1.5 mm ²
Conductor cross section stranded, with ferrule without plastic sleeve min.	0.14 mm ²
Conductor cross section stranded, with ferrule without plastic sleeve max.	1.5 mm ²
Conductor cross section AWG/kcmil max	16
Conductor cross section AWG/kcmil min.	26

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Technical data

General

Test voltage relay winding/relay contact	4 kV _{rms} (50 Hz, 1 min.)
Operating mode	100% operating factor
Degree of protection	IP20 (Relay socket)
	RT III (Relay)
Mechanical service life	Approx. 2 x 10 ⁷ cycles
Standards/regulations	DIN EN 50178
	IEC 62103
Rated insulation voltage	250 V AC
Pollution degree	2
Surge voltage category	III
Mounting position	any
Assembly instructions	In rows with zero spacing

Articles in set

Single relay - REL-MR- 12DC/21 - 2961150



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

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 4.0	27371102
eCl@ss 4.1	27371102
eCl@ss 5.0	27371603
eCl@ss 5.1	27371603
eCl@ss 6.0	27371603

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Classifications

eCl@ss

eCl@ss 7.0	27371603
eCl@ss 8.0	27371603

ETIM

ETIM 3.0	EC001456
ETIM 4.0	EC001456
ETIM 5.0	EC001437

UNSPSC

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

Accessories

Accessories

Jumper

Plug-in bridge - FBS 2-6 - 3030336



Plug-in bridge, Number of positions: 2, Color: red

Plug-in bridge - FBS 3-6 - 3030242



Plug-in bridge, Number of positions: 3, Color: red

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Accessories

Plug-in bridge - FBS 4-6 - 3030255



Plug-in bridge, Number of positions: 4, Color: red

Plug-in bridge - FBS 5-6 - 3030349



Plug-in bridge, Number of positions: 5, Color: red

Plug-in bridge - FBS 10-6 - 3030271



Plug-in bridge, Number of positions: 10, Color: red

Plug-in bridge - FBS 20-6 - 3030365



Plug-in bridge, Number of positions: 20, Color: red

Plug-in bridge - FBS 50-6 - 3032224



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

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Accessories

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



Plug-in bridge, Number of positions: 2, Color: blue

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



Plug-in bridge, Number of positions: 3, Color: blue

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



Plug-in bridge, Number of positions: 4, Color: blue

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



Plug-in bridge, Number of positions: 5, Color: blue

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



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

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Accessories

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



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

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



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

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



Plug-in bridge, Number of positions: 2, Color: gray

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



Plug-in bridge, Number of positions: 3, Color: gray

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



Plug-in bridge, Number of positions: 4, Color: gray

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Accessories

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



Plug-in bridge, Number of positions: 5, Color: gray

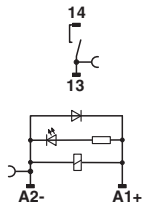
Plug-in bridge - FBS 10-6 GY - 3032253



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

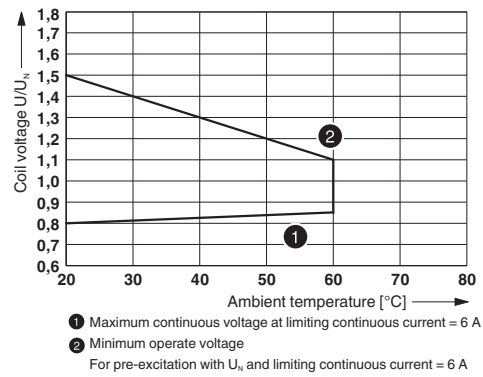
Drawings

Circuit diagram



DC coils

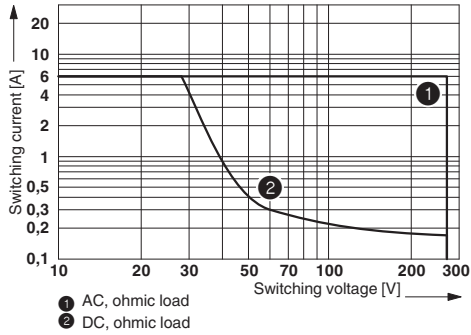
Diagram



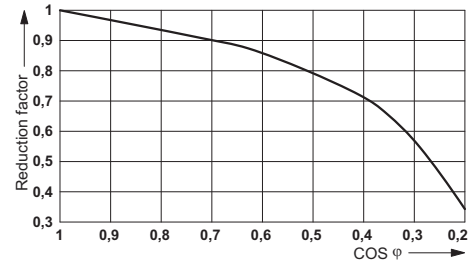
Operating voltage range

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Diagram



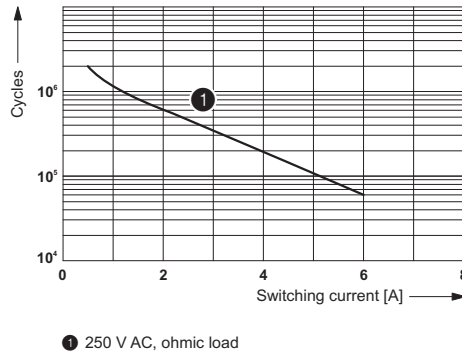
Diagram



Interrupting rating

Service life reduction factor

Diagram



Electrical service life