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With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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The figure shows the 24 V DC version

Pre-assembled relay module with push-in connection, consisting of: relay base, relay retaining bracket, plug-in suppressor module, and power contact relay with test button and integrated status LED. Contact type: 1 PDT. Input voltage: 230 V AC



Key Commercial Data

Packing unit	10 STK
GTIN	4 046356 944663
GTIN	4046356944663

Technical data

Note

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

Width	16 mm
Height	93 mm
Depth	75 mm

Ambient conditions

Ambient temperature (operation)	-40 °C 50 °C
Ambient temperature (storage/transport)	-40 °C 85 °C

Coil side

Nominal input voltage U _N	230 V AC (50/60 Hz)
Input voltage range in reference to U _N	see diagram
Typical input current at U _N	3.5 mA
Typical response time	4 ms 10 ms
Typical release time range	3 ms 20 ms



Technical data

Coil side

Coil voltage	230 V AC
Protective circuit	Varistor
Operating voltage display	Yellow LED
Power dissipation for nominal condition	0.81 W

Contact side

Contact type	1 PDT
Type of switch contact	Single contact
Contact material	AgNi
Maximum switching voltage	250 V AC/DC
Minimum switching voltage	12 V (at 10 mA)
Min. switching current	10 mA (at 12 V)
Maximum inrush current	32 A (20 ms, N/O contact)
Limiting continuous current	see diagram
Interrupting rating (ohmic load) max.	264 W (at 24 V DC)
	62 W (at 48 V DC)
	48 W (at 60 V DC)
	52 W (at 110 V DC)
	66 W (at 220 V DC)
	2500 VA (for 250 V AC)
Switching capacity min.	120 mW
Switching capacity in acc. with DIN VDE 0660/IEC 60947	2 A (at 24 V, DC13)
	3 A (at 240 V, AC15)

Connection data input side

Connection name	Coil side
Connection method	Push-in connection
Stripping length	8 mm
Conductor cross section solid	0.14 mm² 1.5 mm²
Conductor cross section flexible	0.14 mm ² 1.5 mm ² (with or without ferrule)
Conductor cross section flexible (2 conductors with same cross section)	0.14 mm² 1 mm² (Ferrule with plastic sleeve)
	0.14 mm² 1.5 mm² (Ferrules without plastic sleeve)
Conductor cross section AWG	26 16

Connection data output side

Connection name	Contact side
Connection method	Push-in connection
Stripping length	8 mm
Conductor cross section solid	0.14 mm² 1.5 mm²
Conductor cross section flexible	0.14 mm ² 1.5 mm ² (with or without ferrule)
Conductor cross section flexible (2 conductors with same cross section)	0.14 mm² 1 mm² (Ferrule with plastic sleeve)
	0.14 mm ² 1.5 mm ² (Ferrules without plastic sleeve)



Technical data

Connection data output side

Conductor cross section AWG	26 16
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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 II (Relay)
Mechanical service life	Approx. 5 x 10 ⁶ cycles
Mounting position	any
Assembly instructions	In rows with zero spacing

Standards and Regulations

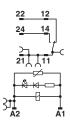
Standards/regulations	DIN EN 50178
Rated insulation voltage	250 V AC
Rated surge voltage	6 kV
Insulation	safe isolation
Degree of pollution	2
Overvoltage category	III

Environmental Product Compliance

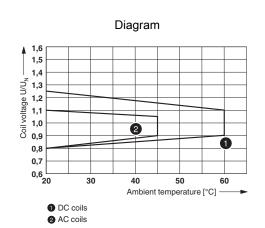
China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Drawings

Circuit diagram

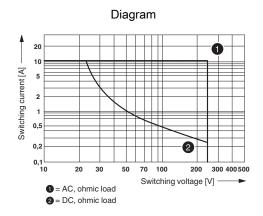


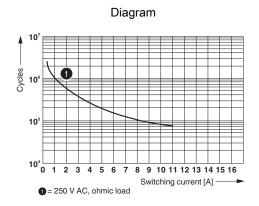
AC coils



Operating voltage range

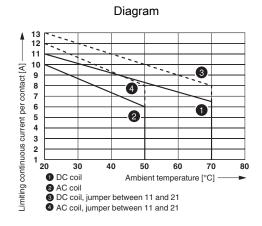




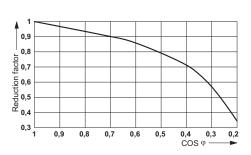


Electrical service life

Interrupting rating



Diagram



Contact derating

Service life reduction factor

Articles in set

Relay socket - RIF-1-BPT/2X21 - 2900931



RIF-1... relay base, for miniature power relay with 1 or 2 PDTs or solid-state relays of the same design, push-in connection, plug-in option for input/suppressor modules, for mounting on NS 35/7,5

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



Articles in set

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%

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

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