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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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Pre-assembled relay module with push-in connection, consisting of: relay base, relay retaining bracket, and power contact relay with test button, integrated status LED, and freewheeling diode. Contact type: 1 PDT. Input voltage: 24 V DC

EMC: class A product, see manufacturer's declaration in the download



Key Commercial Data

Packing unit	10 STK	
GTIN	4 046356 945448	
GTIN	4046356945448	

Technical data

Utilization restriction

Note

	1	
Dimensions		
Width	16 mm	
Height	93 mm	
Depth	75 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	24 V DC
Input voltage range in reference to U _N	see diagram
Typical input current at U _N	18 mA
Typical response time	9 ms
Typical release time	10 ms
Coil voltage	24 V DC



Technical data

Coil side

Protective circuit	Damping diode
Operating voltage display	Yellow LED
Power dissipation for nominal condition	0.43 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	24 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 230 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 mm ² 1.5 mm ² (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 mm² 1.5 mm² (Ferrules without plastic sleeve)	
Conductor cross section AWG	26 16	



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

Standards and Regulations

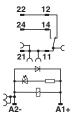
Standards/regulations	DIN EN 50178
Rated insulation voltage	250 V AC
Rated surge voltage	6 kV
Insulation	safe isolation
Degree of pollution	2
Overvoltage category	III

Environmental Product Compliance

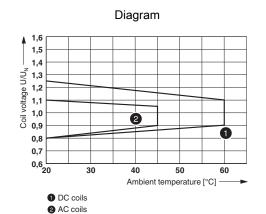
China RoHS	Environmentally Friendly Use Period = 50	
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"	

Drawings

Circuit diagram

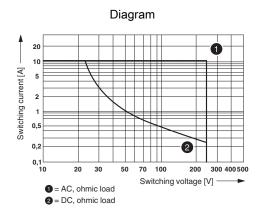


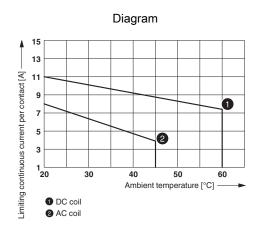
DC coils



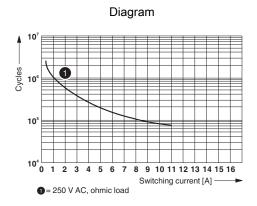
Operating voltage range



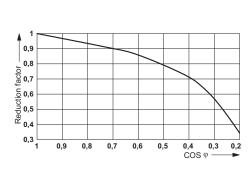




Interrupting rating



Contact derating



Diagram

Electrical service life

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- 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



Articles in set

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

Approvals			
Approvals			
Approvals			
EAC			
Ex Approvals			
Approval details			
EAC	EAC		EAC-Zulassung

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