

Relay Module - RIF-1-RPT-LDP-24DC/2X21/FG - 2908215


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Pre-assembled relay module with Push-in connection, consisting of: relay base, safety relay with force-guided contacts in accordance with DIN EN 50205, plug-in display/interference suppression module, and retaining bracket, contact type: 2 changeover contacts, input voltage: 24 V DC



Key Commercial Data

Packing unit	10 STK
Minimum order quantity	10 STK
GTIN	 4 055626 289151
GTIN	4055626289151
Weight per Piece (excluding packing)	67.840 g
Custom tariff number	85364110
Country of origin	Czech Republic
Note	Made to Order (non-returnable)

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	70 mm

Ambient conditions

Ambient temperature (operation)	-20 °C ... 50 °C
Ambient temperature (storage/transport)	-20 °C ... 70 °C

Coil side

Nominal input voltage U_N	24 V DC
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Relay Module - RIF-1-RPT-LDP-24DC/2X21/FG - 2908215

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Coil side

Input voltage range in reference to U_N	see diagram
Typical input current at U_N	30 mA
Typical response time	10 ms
Typical release time	10 ms
Coil voltage	24 V DC
Protective circuit	Damping diode
Operating voltage display	Yellow LED
Power dissipation for nominal condition	0.72 W

Contact side

Contact type	2 changeover contacts, forcibly actuated
Type of switch contact	Single contact
Contact material	AgNi
Maximum switching voltage	250 V AC/DC
Minimum switching voltage	15 V AC/DC
Min. switching current	10 mA
Maximum inrush current	6 A
Limiting continuous current	6 A
Interrupting rating (ohmic load) max.	144 W (at 24 V DC)
	288 W (at 48 V DC)
	88 W (at 110 V DC)
	110 W (at 220 V DC)
	1500 VA (for 250 V AC)
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 mm ² ... 1.5 mm ²
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 mm ² ... 1 mm ² (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 mm ² ... 1.5 mm ²
Conductor cross section flexible	0.14 mm ² ... 1.5 mm ² (with or without ferrule)

Relay Module - RIF-1-RPT-LDP-24DC/2X21/FG - 2908215

Technical data

Connection data output side

Conductor cross section flexible (2 conductors with same cross section)	0.14 mm ² ... 1 mm ² (Ferrule with plastic sleeve)
	0.14 mm ² ... 1.5 mm ² (Ferrules without plastic sleeve)
Conductor cross section AWG	26 ... 16

General

Operating mode	100% operating factor
Degree of protection	IP20 (Relay socket)
	RT II (Relay)
Mechanical service life	Approx. 10 ⁷ cycles
Flammability rating according to UL 94	V2
UL, USA/Canada	cULus listed UL 508
UL certificate	NRNT.E172140
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/VDE 0160
	EN 50205
Rated insulation voltage	250 V
Rated surge voltage	6 kV
Insulation	safe isolation
Degree of pollution	2
Overvoltage category	III
Flammability rating according to UL 94	V2
Conformance	CE-compliant
UL, USA/Canada	cULus listed UL 508

Environmental Product Compliance

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

Articles in set

Safety relays - REL-SR- 24DC/2X21/FG - 2908777



Safety relay with forcibly guided contacts in acc. with DIN EN 50205, contact type 2 PDTs. The requirements for type A in accordance with EN 50205 are fulfilled when the wiring topology is 1 NO / 1 NC.

Relay Module - RIF-1-RPT-LDP-24DC/2X21/FG - 2908215

Articles in set

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 $\pm 20\%$

Relay retaining bracket - RIF-RHM-1-H - 2905985



Relay retaining bracket, wire model, suitable for RIF-1 relay base, for 25 mm high octal miniature power relays

Approvals

Approvals

Approvals

UL Listed / cUL Listed / EAC / cULus Listed

Ex Approvals

Approval details

UL Listed



<http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm>

FILE E 172140

cUL Listed



<http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm>

FILE E 172140

EAC



RU C-
DE.A*30.B.01082

cULus Listed



