

REL-MR- 24DC/1IC

Order No.: 2961341



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Pluggable miniature relays, with power contact for lamp loads and capacitive loads, 1 N/O contact, input voltage 24 V DC

Commercial data

EAN	 4 017918 187569
sales group	G084
Pack	10 Pcs.
Customs tariff	85364190
Gross weight in pieces	0.01637 KG
Net weight per piece	0.014835 KG
Catalog page information	Page 339 (C-7-2013)

Product notes

WEEE/RoHS-compliant since:
02/09/2006



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Technical data

Dimensions

Width	12.7 mm
Height	29 mm
Depth	15.7 mm

Ambient conditions

Ambient temperature (operation)	-40 °C ... 85 °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	17 mA
Typical response time	8 ms
Typical release time	3 ms
Coil resistance	1440 $\Omega \pm 10\%$ (at 20 °C)

Contact side

Contact type	1 N/O contact
Contact material	AgSnO
Maximum switching voltage	250 V AC/DC
Minimum switching voltage	12 V (at 100 mA)
Maximum inrush current	80 A (20 ms)
	130 A (peak, at capacitive load, 230 V AC, 24 μ F)
Min. switching current	100 mA (at 12 V DC)
Limiting continuous current	16 A
Interrupting rating (ohmic load) max.	80 W (at 220 V DC)
	50 W (at 110 V DC)
	48 W (at 60 V DC)
	58 W (at 48 V DC)
	384 W (at 24 V DC)
	4000 VA (for 250 V AC)
Switching capacity in acc. with DIN VDE 0660/IEC 60947	2 A (at 24 V, DC13)
	0.2 A (at 110 V, DC13)
	0.2 A (at 250 V, DC13)
	6 A (at 24 V, AC15)
	6 A (at 120 V, AC15)
	6 A (at 250 V, AC15)

General

Test voltage relay winding/relay contact	5 kV AC (50 Hz, 1 min.)
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Operating mode	100% operating factor
Mechanical service life	3 x 10 ⁷ cycles
Standards/regulations	IEC 60664
	EN 50178
	IEC 62103
Pollution degree	3
Surge voltage category	III
Mounting position	any
Assembly instructions	Can be aligned without spacing (> 70 °C ≥ 2.5 mm)

Certificates / Approvals



Certification

cULus Recognized, GOST, VDE Gutachten mit
 Fertigungsüberwachung, GL

Certifications applied for:

Certification Ex:

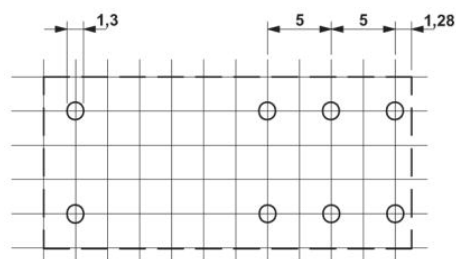
Additional products

Item	Designation	Description
Relay base		
2900260	PLC-BPT- 24DC/ 1IC/ACT	14 mm PLC actuator basic terminal block with load return line connection (BB), push-in connection, 24 V DC input voltage, without relay or solid-state relay. Note: if fitted with a PDT relay, only the N/O contact is led out.
2967837	PLC-BSC- 24DC/ 1IC/ACT	14 mm PLC actuator basic terminal block with load return line connection (BB), screw connection, 24 V DC input voltage, without relay or solid-state relay. Note: if fitted with a PDT relay, only the N/O contact is led out.
2912400	PLC-BSP- 24DC/ 1IC/ACT	14 mm PLC actuator basic terminal block with load return line connection (BB), spring-cage connection, 24 V DC input voltage, without relay or solid-state relay. Note: if fitted with a PDT relay, only the N/O contact is led out.

2833518	PR1-BSC2/2X21	Relay socket PR1..., for miniature power relay or miniature switching relay with 1 or 2 PDT or solid-state relay of same construction, 2/2 level design, screw connections, connection facility for input/interference suppression modules
2833521	PR1-BSC3/2X21	Relay socket PR1..., for miniature power relay or miniature switching relay with 1 or 2 PDT or solid-state relay of same construction, 1/3 level design, screw connections, connection facility for input/interference suppression modules
2833534	PR1-BSP3/2X21	Relay socket PR1..., for miniature power relay or miniature switching relay with 1 or 2 PDT or solid-state relay of same construction, 1/3 level design, spring-cage connections, connection facility for input/interference suppression modules

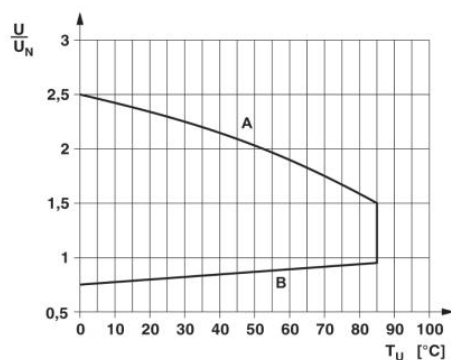
Drawings

Drilling plan/solder pad geometry

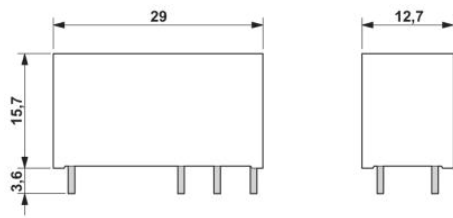


a = pitch division 2.5 mm

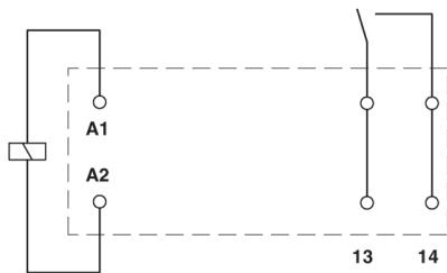
Diagram



Dimensioned drawing



Circuit diagram



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