

RUMC3AB1MD

universal plug-in relay - Zelio RUM - 3 C/O - 220 V
DC - 10 A



Main

Range of product	Zelio Relay
Series name	Universal
Product or component type	Plug-in relay
Device short name	RUM
Contacts type and composition	3 C/O
Control circuit voltage	220 V DC
[Ithe] conventional enclosed thermal current	At -40...55 °C 10 A
Status LED	Without
Control type	Pushbutton
Utilisation coefficient	20 %

Complementary

Shape of pin	Cylindrical
[Ui] rated insulation voltage	250 V conforming to IEC 300 V conforming to UL 300 V conforming to CSA
[Uimp] rated impulse withstand voltage	4 kV
Contacts material	AgNi
[Ie] rated operational current	10 A (AC-1/DC-1) NO conforming to IEC 12 A at 28 V (DC-1) conforming to UL 16 A at 277 V (AC-1) conforming to UL 5 A (AC-1/DC-1) NC conforming to IEC
Minimum switching current	10 mA
Maximum switching voltage	250 V AC conforming to IEC 250 V DC conforming to IEC
Minimum switching voltage	17 V
Load current	10 A at 250 V AC 10 A at 28 V DC
Maximum switching capacity	2500 VA, AC circuit 280 W, DC circuit
Minimum switching capacity	170 mW
Operating rate	<= 18000 cycles/hour no-load <= 1200 cycles/hour under load
Mechanical durability	5000000 cycles
Electrical durability	100000 cycles for resistive load
Average consumption in W	1.4 W, DC circuit
Drop-out voltage threshold	>= 0.1 U _c
Operating time	20 ms
Average resistance	3700 Ohm at 20 °C +/- 10 %
Rated operational voltage limits	176...242 V DC
Pollution degree	3
Protection category	RT I
Operating position	Any position
Product weight	0.088 kg

Environment

Dielectric strength	1500 V AC (between contacts) 1550 V AC (between coil and contact) 1550 V AC (between poles)
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Product certifications	CSA GOST UL
Standards	EN/IEC 61810-1 UL 508 CSA C22.2 No 14
Ambient air temperature for storage	-40...85 °C
Ambient air temperature for operation	-40...55 °C
Vibration resistance	3 gn (f = 10...150 Hz), amplitude +/- 1 mm (on 10 cycles in operation) conforming to EN/IEC 60068-2-27 4 gn (f = 10...150 Hz), amplitude +/- 1 mm (on 10 cycles not operating) conforming to EN/IEC 60068-2-27
IP degree of protection	IP40 conforming to EN/IEC 60529
Shock resistance	10 gn in operation 10 gn not operating

Contractual warranty

Period	18 months
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