Product data sheet
Characteristics

RPM12BD
power plug-in relay - Zelio RPM - 1 C/O - 24 V DC - 15 A - with LED

Product availability: Stock - Normally stocked in distribution facility
Price*: 5.30 USD



Main

Commercial Status	Commercialised
Range of product	Zelio Relay
Series name	Power
Product or component type	Plug-in relay
Device short name	RPM
Contacts type and composition	1 C/O
Contacts operation	Standard
Control circuit voltage	24 V DC
[Ithe] conventional enclosed thermal current	15 A at -40...131 °F (-40...55 °C)
Status LED	With
Control type	Pushbutton
Coil interference suppression	Without
Utilisation coefficient	20 %

Complementary

Shape of pin	Flat
[Ui] rated insulation voltage	300 V conforming to UL 300 V conforming to EN/IEC 60947 300 V conforming to CSA 250 V conforming to IEC 250 V conforming to EN/IEC 60947
[Uimp] rated impulse withstand voltage	4 kV conforming to IEC 61000-4-5
Contacts material	Silver alloy (Ag/Ni)
[Ie] rated operational current	7.5 A (DC-1) NC conforming to IEC 7.5 A (AC-1) NC conforming to IEC 15 A (DC-1) NO conforming to IEC 15 A (DC-1) conforming to UL 15 A (AC-1) NO conforming to IEC 15 A (AC-1) conforming to UL
Minimum switching current	10 mA
Maximum switching voltage	250 V DC conforming to IEC 250 V AC conforming to IEC
Minimum switching voltage	17 V
Load current	15 A at 28 V DC 15 A at 250 V AC
Maximum switching capacity	420 W, DC circuit 3750 VA, AC circuit
Minimum switching capacity	170 mW
Operating rate	<= 18000 cycles/hour no-load <= 1200 cycles/hour under load
Mechanical durability	10000000 cycles
Electrical durability	100000 cycles for resistive load
Average consumption in W	0.7 W, DC circuit
Drop-out voltage threshold	>= 0.1 Uc DC

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Operating time	20 ms between coil energisation and making of the On-delay contact 20 ms between coil de-energisation and making of the Off-delay contact
Average resistance	750 Ohm, DC circuit at 20 °C +/- 10 %
Rated operational voltage limits	19.2...26.4 V DC
Protection category	RT I
Operating position	Any position
Product weight	0.06 lb(US) (0.026 kg)

Environment

Dielectric strength	1550 V AC (between poles) 1550 V AC (between coil and contact) 1500 V AC (between contacts)
Standards	EN/IEC 61810-1 UL 508 CSA C22.2 No 14
Product certifications	CSA GOST UL
Ambient air temperature for storage	-40...185 °F (-40...85 °C)
Ambient air temperature for operation	-40...131 °F (-40...55 °C)
Vibration resistance	5 gn (f = 10...150 Hz), amplitude +/- 1 mm (on 10 cycles not operating) conforming to EN/IEC 60068-2-27 3 gn (f = 10...150 Hz), amplitude +/- 1 mm (on 10 cycles in operation) conforming to EN/IEC 60068-2-27
IP degree of protection	IP40 conforming to EN/IEC 60529
Shock resistance	15 gn for11 ms not operating conforming to EN/IEC 60068-2-27 15 gn for11 ms in operation conforming to EN/IEC 60068-2-27

Ordering and shipping details

Category	21127 - ZELIO ICE CUBE RELAYS
Discount Schedule	CP2
GTIN	00785901447030
Nbr. of units in pkg.	10
Package weight(Lbs)	0.05
Product availability	Stock - Normally stocked in distribution facility
Returnability	Y
Country of origin	CN

Contractual warranty

Period	18 months