

RPM42BD

power plug-in relay - Zelio RPM - 4 C/O - 24 V DC - 15 A - with LED



Main

Range of product	Zelio Relay
Series name	Power
Product or component type	Plug-in relay
Device short name	RPM
Contacts type and composition	4 C/O
Contacts operation	Standard
Control circuit voltage	24 V DC
[Ithe] conventional enclosed thermal current	15 A at -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	250 V conforming to EN/IEC 60947 250 V conforming to IEC 300 V conforming to EN/IEC 60947 300 V conforming to UL 300 V conforming to CSA
[Uimp] rated impulse withstand voltage	4 kV conforming to IEC 61000-4-5
Contacts material	Silver alloy (Ag/Ni)
[Ie] rated operational current	15 A (AC-1) conforming to UL 15 A (AC-1) NO conforming to IEC 15 A (DC-1) conforming to UL 15 A (DC-1) NO conforming to IEC 7.5 A (AC-1) NC conforming to IEC 7.5 A (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	15 A at 250 V AC 15 A at 28 V DC
Maximum switching capacity	3750 VA, AC circuit 420 W, DC circuit
Minimum switching capacity	170 mW
Operating rate	<= 18000 cycles/hour no-load <= 1200 cycles/hour under load
Mechanical durability	10000000 cycles
Electrical durability	60000 cycles for resistive load
Average consumption in W	2 W, DC circuit
Drop-out voltage threshold	>= 0.1 U _c DC
Operating time	20 ms between coil de-energisation and making of the Off-delay contact 20 ms between coil energisation and making of the On-delay contact
Average resistance	388 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	0.071 kg

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Environment

Dielectric strength	1500 V AC (between contacts) 1550 V AC (between coil and contact) 1550 V AC (between poles)
Standards	EN/IEC 61810-1 UL 508 CSA C22.2 No 14
Product certifications	CSA UL EAC
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 5 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	15 gn for 11 ms in operation conforming to EN/IEC 60068-2-27 15 gn for 11 ms not operating conforming to EN/IEC 60068-2-27

Contractual warranty

Period	18 months
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