

RPM12B7

power plug-in relay - Zelio RPM - 1 C/O - 24 V AC - 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	1 C/O
Contacts operation	Standard
Control circuit voltage	24 V AC
[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	100000 cycles for resistive load
Average consumption in VA	0.9 AC 60 Hz
Drop-out voltage threshold	>= 0.15 U _c AC
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	160 Ohm, AC circuit at 20 °C +/- 15 %
Rated operational voltage limits	19.2...26.4 V AC
Protection category	RT I
Operating position	Any position
Product weight	0.026 kg

The information provided in this documentation contains general descriptions and/or technical characteristics of the products contained herein. This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

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
--------	-----------