



## 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	230 V AC
[the] 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	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	60000 cycles for resistive load
Average consumption in VA	1.5 AC 60 Hz
Drop-out voltage threshold	>= 0.15 U <sub>c</sub> AC
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	9120 Ohm, AC circuit at 20 °C +/- 15 %
Rated operational voltage limits	184...253 V AC
Protection category	RT I

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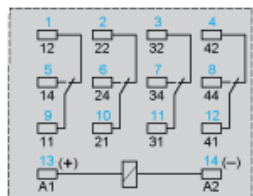
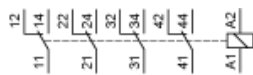
Operating position	Any position
Product weight	0.071 kg

## Environment

Dielectric strength	1550 V AC (between poles) 1550 V AC (between coil and contact) 1500 V AC (between contacts)
Standards	CSA C22-2 No 14 EN/IEC 61810-1 UL 508
Product certifications	CSA GOST UL
Ambient air temperature for storage	-40...85 °C
Ambient air temperature for operation	-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 for 11 ms not operating conforming to EN/IEC 60068-2-27 15 gn for 11 ms in operation conforming to EN/IEC 60068-2-27



## Wiring Diagram

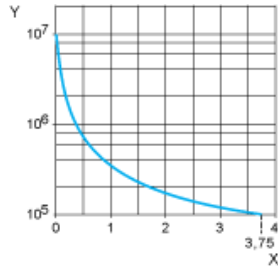


Symbols shown in blue correspond to Nema marking.

Electrical Durability of Contacts

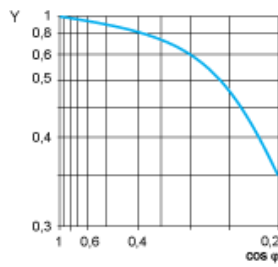
Durability (inductive load) = durability (resistive load) x reduction coefficient.

Resistive AC load



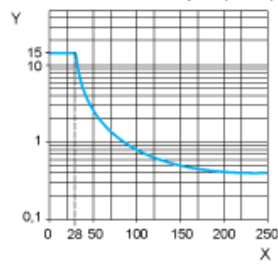
X Switching capacity (kVA)  
Y Durability (Number of operating cycles)

Reduction coefficient for inductive AC load (depending on power factor cos φ)



Y Reduction coefficient (A)

Maximum switching capacity on resistive DC load



X Voltage DC  
Y Current DC