



Main

Range of product	Zelio Relay
Series name	Interface relay
Control circuit voltage	24 V DC
Contacts type and composition	1 C/O
[I _{th}] conventional enclosed thermal current	16 A ≤ 40 °C
[U _i] rated insulation voltage	400 V EN/IEC 60947
Contacts material	Silver alloy (Ag/Ni)
Load current	16 A 250 V AC 16 A 28 V DC

Complementary

Fixing mode	Plastic compression spring
Status LED	Without
Shape of pin	Flat (PCB type)
Average resistance	1440 Ohm DC 20 °C +/- 10 %
Rated operational voltage limits	19.2...26.4 V DC
[U _{imp}] rated impulse withstand voltage	4 kV IEC 61000-4-5
[I _e] rated operational current	8 A NC AC-1/DC-1 IEC 16 A NO AC-1/DC-1 IEC
Minimum switching current	5 mA
Maximum switching voltage	300 V DC 400 V AC
Minimum switching voltage	5 V
Maximum switching capacity	448 W DC 4000 VA AC
Minimum switching capacity	300 mW
Operating rate	≤ 10 cyc/mn under load ≤ 1200 cyc/mn no-load
Mechanical durability	≥ 30000000 cycles
Electrical durability	≥ 70000 cycles resistive 16 A 250 V
Operating time	4 ms between coil de-energisation and making of the Off-delay contact DC 9 ms between coil energisation and making of the On-delay contact DC 10 ms between coil de-energisation and making of the Off-delay contact AC 12 ms between coil energisation and making of the On-delay contact AC
Protection category	RT I
Operating position	Any position
Product weight	0,014 kg
Average consumption	0,45 W DC 0,75 VA AC
Drop-out voltage threshold	>= 0.15 U _c AC >= 0.1 U _c DC

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Environment

Dielectric strength	1000 V AC between contacts 2500 V AC between poles 5000 V AC between coil and contact
Standards	CSA C22-2 No 14 EN/IEC 61810-1 UL 508
Product certifications	CSA UL
Ambient air temperature for storage	-40...85 °C
Vibration resistance	> 10 gn 10...150 Hz EN/IEC 60068-2-6
IP degree of protection	IP40 EN/IEC 60529
Shock resistance	5 gn on opening EN/IEC 60068-2-27 10 gn on closing EN/IEC 60068-2-27
Ambient air temperature for operation	-40...85 °C DC
RoHS EUR conformity date	0401
RoHS EUR status	Compliant