



Main

Range of product	Zelio Relay
Control circuit voltage	230 V DC
Average resistance	38500 Ohm (AC) at 20 °C +/- 15 %
[Ithe] conventional enclosed thermal current	12 A at ≤ 40 °C
Contacts material	Silver alloy (Ag/Ni)
Series name	Interface relay
Product or component type	Plug-in relay
Device short name	RSB
Sale per indivisible quantity	10
Resistive rated load	12 A at 250 V AC 12 A at 28 V DC
Contacts type and composition	1 C/O
Status LED	Without

Complementary

Rated operational voltage limits	184...276 V AC , 50 Hz 195.5...276 V AC , 60 Hz
[Ui] rated insulation voltage	400 V conforming to EN/IEC 60947
[Uimp] rated impulse withstand voltage	3.6 kV conforming to IEC 61000-4-5
[Ie] rated operational current	6 A , NC (AC-1/DC-1) conforming to IEC 12 A , NO (AC-1/DC-1) conforming to IEC
Minimum switching current	5 mA
Maximum switching voltage	300 V DC 400 V AC
Minimum switching voltage	5 V
Maximum switching capacity	336 W (DC) 3000 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	≥ 100000 cycles for resistive load at 12 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)
Marking	CE
Protection category	RT I
Operating position	Any position
Product weight	0.014 kg
Average consumption	AC : 0.75 VA DC : 0.45 W
Drop-out voltage threshold	AC : ≥ 0.15 Uc DC : ≥ 0.1 Uc
Fixing mode	Plastic compression spring
Shape of pin	Flat (PCB type)

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 (f = 10...150 Hz) conforming to EN/IEC 60068-2-6
IP degree of protection	IP40 conforming to EN/IEC 60529
Shock resistance	5 gn (on opening) conforming to EN/IEC 60068-2-27 10 gn (on closing) conforming to EN/IEC 60068-2-27
Ambient air temperature for operation	-40...70 °C (AC)
RoHS EUR conformity date	0401
RoHS EUR status	Compliant