



### Main

Range of product	Zelio Relay
Series name	Interface relay
Product or component type	Plug-in relay
Device short name	RSB
Contacts type and composition	1 NO
Contact operation	Standard
[Uc] control circuit voltage	12 V DC
[Ithe] conventional enclosed thermal current	16 A -40...104 °F (-40...40 °C)
Status LED	Without
Control type	Without push-button
Sale per indivisible quantity	10
Device presentation	Complete product

### Complementary

Shape of pin	Flat (PCB type)
Average coil resistance	360 Ohm AC 20 °C +/- 10 %
[Ue] rated operational voltage	8.4...18 V DC
[Ui] rated insulation voltage	400 V EN/IEC 60947
[Uimp] rated impulse withstand voltage	3.6 kV IEC 61000-4-5
Contacts material	Silver alloy (AgSnO)
[Ie] rated operational current	16 A 250 V AC) NC IEC
Inrush current	117 A TV-8
Minimum switching current	100 mA
Maximum switching voltage	250 V DC IEC
Minimum switching voltage	5 V
Resistive rated load	16 A 250 V AC 16 A 28 V DC
Minimum switching capacity	500 mW 100 mA, 5 V
Operating rate	<= 600 cycles/hour under load <= 18000 cycles/hour no-load
Mechanical durability	30000000 cycles

Disclaimer: 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

Operating time	20 ms operating 10 ms reset
Average coil consumption	0.45 W DC
Drop-out voltage threshold	>= 0.1 U <sub>c</sub> DC
Protection category	RT I
Operating position	Any position
Net weight	0.03 lb(US) (0.014 kg)
Compatibility code	RSB

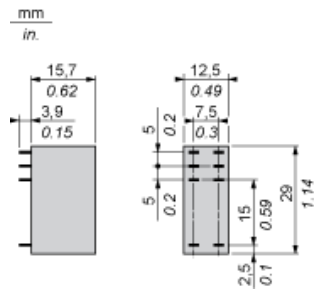
## Environment

Dielectric strength	1000 V AC between contacts 2500 V AC between poles 5000 V AC between coil and contact
Standards	UL 508 EN/IEC 61810-1 CSA C22.2 No 14
Product certifications	UL CSA EAC
Ambient air temperature for storage	-40...185 °F (-40...85 °C)
Vibration resistance	+/- 1 mm 10...55 Hz)EN/IEC 60068-2-6
IP degree of protection	IP40 EN/IEC 60529
Shock resistance	10 gn 11 ms) not operating EN/IEC 60068-2-27 5 gn 11 ms) in operation EN/IEC 60068-2-27
Ambient air temperature for operation	-40...185 °F (-40...85 °C) DC)

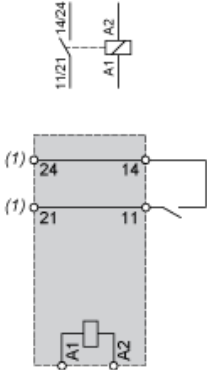
## Contractual warranty

Warranty	18 months
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Dimensions



Wiring Diagram



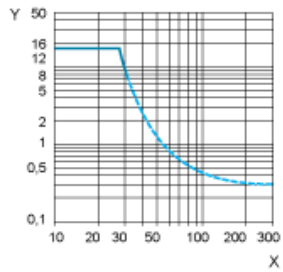
(1) Before wiring please refer to the Instruction sheet

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Electrical Durability of Contacts

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Maximum switching capacity on resistive DC load



X Voltage DC  
Y Current DC

Note : These are typical curves, actual durability depends on load, environment, duty cycle, etc.