

RSL1AB4ED

slim interface plug-in relay - Zelio RSL - 1 C/O
standard - 48 V DC - 6 A

Main

Commercial Status	Commercialised
Range of product	Zelio Relay
Series name	Slim interface relay
Product or component type	Plug-in relay
Device short name	RSL
Contacts type and composition	1 C/O
Contacts operation	Standard
Control circuit voltage	48 V DC
[Ithe] conventional enclosed thermal current	6 A at -40...55 °C
Status LED	Without
Control type	Without pushbutton

Complementary

Shape of pin	Flat (PCB type)
Average resistance	10600 Ohm at 23 °C +/- 10 %
Rated operational voltage limits	36...67.2 V DC
[Ui] rated insulation voltage	277 V conforming to cUL 250 V conforming to EN/IEC
[Uimp] rated impulse withstand voltage	6 kV conforming to IEC
Contacts material	Silver alloy (AgSnO2)
[Ie] rated operational current	6 A (AC-1/DC-1) conforming to IEC/UL
Minimum switching current	100 mA
Maximum switching voltage	277 V
Minimum switching voltage	12 V
Maximum switching capacity	50 W 1500 VA
Minimum switching capacity	120 mW
Operating rate	<= 18000 cycles/hour no-load <= 360 cycles/hour under load
Mechanical durability	10000000 cycles
Electrical durability	60000 cycles (6 A at 250 V, AC-1) C/O
Operating time	12 ms reset 5 ms
Protection category	RT III
Operating position	Any position
Width	5 mm
Height	28 mm
Depth	18.5 mm
Terminals description ISO n°1	(11-12-14)OC (A1-A2)CO
Product weight	0.0054 kg
Load current	6 A at 250 V AC for 0.5 mm mounting distance
Average consumption in W	0.2 W
Drop-out voltage threshold	>= 0.05 Uc

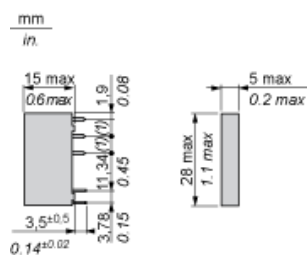
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Environment

Dielectric strength	4000 V AC (between coil and contact) 1000 V AC (between contacts)
Standards	EN/IEC 61810-1 UL 508 CSA C22.2 No 14
Product certifications	CSA UL EAC
Ambient air temperature for storage	-40...70 °C
Vibration resistance	+/- 1 mm (f = 10...55 Hz) conforming to EN/IEC 60068-2-6
IP degree of protection	IP40 conforming to EN/IEC 60529
Shock resistance	5 gn for 11 ms not operating conforming to EN/IEC 60068-2-27 10 gn for 11 ms in operation conforming to EN/IEC 60068-2-27
Ambient air temperature for operation	-40...55 °C

Dimensions

Relay with Flat Pins (PCB Type)

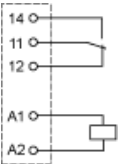


(1): 5.04 mm / 0.19 in.

Wiring Diagram

Relay with Flat Pins (PCB Type)

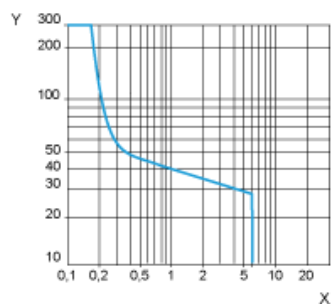
1 C/O contact



Curves for Resistive Load

Maximum Switching Capacity on DC Load

Resistive load

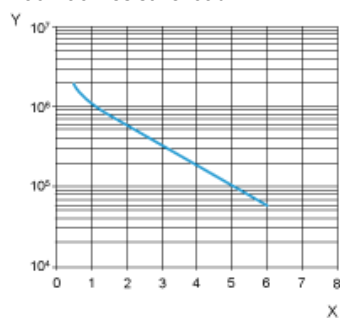


X DC Current
Y DC Voltage

Electrical Durability

Only tested at 6A/250VAC, projection for the rest

250 Vac Resistive load



X Switching current (A)
Y Cycles

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