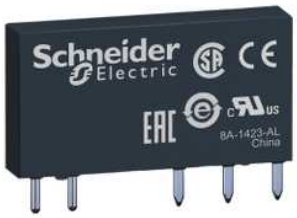
Product data sheet
Characteristics

RSL1GB4ND
slim interface plug-in relay - Zelio RSL - 1 C/O low level - 60 V DC - 6 A



Main

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	Low level
Control circuit voltage	60 V DC
[Ithe] conventional enclosed thermal current	6 A at -40...55 °C
Status LED	Without
Control type	Without push-button

Complementary

Shape of pin	Flat (PCB type)
Average resistance	16600 Ohm at 23 °C +/- 15 %
Rated operational voltage limits	45...84 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 - gold plated (AgSnO2)
[Ie] rated operational current	6 A (AC-1/DC-1) conforming to IEC/UL
Minimum switching current	1 mA
Maximum switching voltage	277 V
Minimum switching voltage	24 V
Maximum switching capacity	50 W 1500 VA
Minimum switching capacity	24 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	0.21 W
Drop-out voltage threshold	>= 0.05 Uc
Safety reliability data	B10d = 60000

Environment

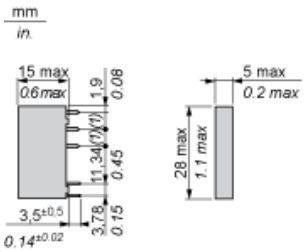
Dielectric strength	4000 V AC (between coil and contact) 1000 V AC (between contacts)
Standards	EN/IEC 61810-1 UL 508 CSA C22.2 No 14
Product certifications	CSA UL EAC
Ambient air temperature for storage	-40...70 °C
Vibration resistance	+/- 1 mm (f = 10...55 Hz) conforming to EN/IEC 60068-2-6
IP degree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

Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 1417 - Schneider Electric declaration of conformity
REACh	Reference not containing SVHC above the threshold
Product environmental profile	Available Download Product Environmental
Product end of life instructions	Need no specific recycling operations

Dimensions

Relay with Flat Pins (PCB Type)

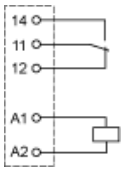


(1): 5.04 mm / 0.19 in.

Wiring Diagram

Relay with Flat Pins (PCB Type)

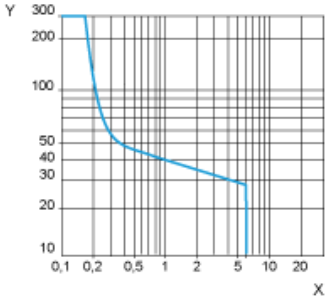
1 C/O contact



Curves for Resistive Load

Maximum Switching Capacity on DC Load

Resistive load

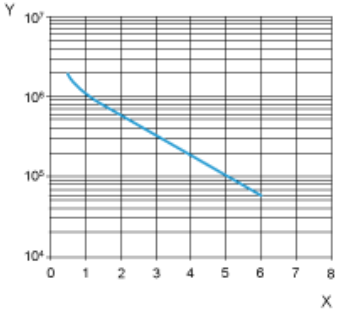


X DC Current
Y DC Voltage

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.