Product datasheet
Characteristics

RXG15BD
interface plug-in relay - Zelio RXG - 1 C/O clear - 24 V DC - 10 A

Main

Range of product	Zelio Relay
Series name	Interface relay
Product or component type	Plug-in relay
Device short name	RXG
Contacts type and composition	1 C/O

Complementary

Contacts material	Silver alloy (AgSnO2In2O3)
Contact resistance	100 mOhm
[Ithe] conventional enclosed thermal current	10 A (temperature : -40...55 °C)
[Ie] rated operational current	10 A at 30 V DC conforming to UL 10 A at 30 V DC conforming to IEC 10 A at 250 V AC conforming to IEC 10 A at 250 V AC conforming to UL
Maximum switching voltage	250 V AC 30 V DC
Load current	10 A at 250 V AC
Maximum switching capacity	2500 VA
Minimum switching capacity	500 mW at 100 mA, 5 V DC
Operating rate	<= 18000 cycles/hour no-load <= 1800 cycles/hour under load
Utilisation coefficient	20 %
Mechanical durability	10000000 cycles
Electrical durability	100000 cycles for NO resistive load at 55 °C 100000 cycles for NC resistive load at 55 °C
[Ui] rated insulation voltage	250 V conforming to IEC 300 V conforming to UL 300 V conforming to CSA
[Uimp] rated impulse withstand voltage	6 kV for 1.2/50 µs
Dielectric strength	5000 V AC (reinforced insulation between coil and contact) 1000 V AC (micro disconnection between contacts)
Resistance	1100 Ohm +/- 10 %
Insulation resistance	1000 MOhm at 500 V DC
Mounting position	Any position
Average consumption in W	0.53 W
Drop-out voltage threshold	>= 0.1 Uc DC
Electrical insulation class	Class F
Operating time	20 ms
Reset time	20 ms
Control circuit voltage	24 V DC
Safety reliability data	B10d = 100000
Colour of cover	Transparent
Product weight	0.018 kg
Device presentation	Complete product

Environment

vibration resistance	3 gn (f = 10...150 Hz), amplitude +/- 0.75 mm (in operation) 5 gn (f = 10...150 Hz), amplitude +/- 0.75 mm (not in operation)
IP degree of protection	IP40
shock resistance	20 gn in operation 100 gn not in operation
protection category	RT I
standards	UL 508 CSA C22.2 No 14 IEC 61810-1
product certifications	CE CSA RoHS UL REACH EAC China RoHS
pollution degree	2
overvoltage category	III
ambient air temperature for storage	-40...85 °C
ambient air temperature for operation	-40...70 °C
relative humidity	10...85 %

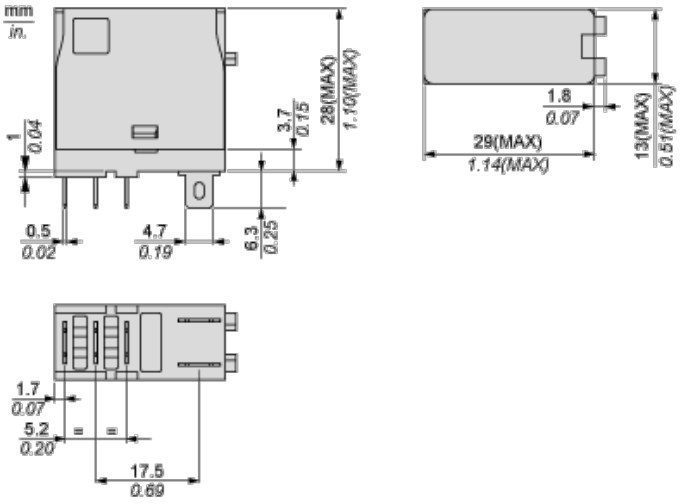
Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 1426 - Schneider Electric declaration of conformity
REACh	Reference not containing SVHC above the threshold
Product environmental profile	Available
Product end of life instructions	Need no specific recycling operations

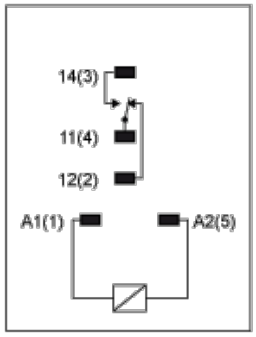
Contractual warranty

Warranty period	18 months

Dimensions

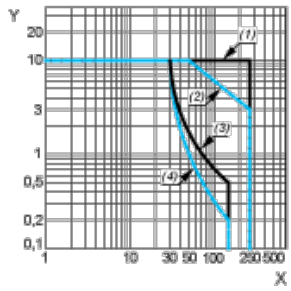


Wiring Diagram



Performance Curves

Maximum Switching Capacity

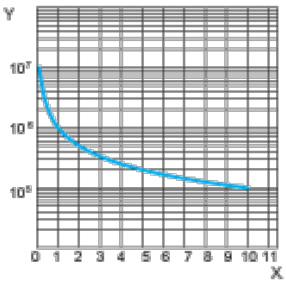


X : Switching voltage (V)
Y : Switching current (A)
(1) AC Resistive Load
(2) AC Inductive Load cos(¦µ)=0.4
(3) DC Resistive Load
(4) DC Inductive Load T0.95=6P

Performance Curves

Life Expectancy

Resistive Load

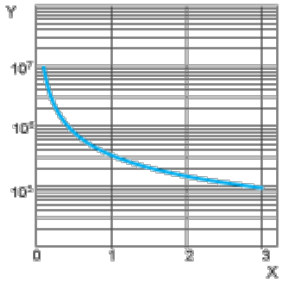


X : Contact Current (A)
Y : Operating Cycle Number

Performance Curves

Life Expectancy

Inductive Load



X : Contact Current (A)

Y : Operating Cycle Number