Product datasheet
Characteristics

RXG23F7

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	2 C/O

Complementary

Status LED	With
Contacts material	Silver alloy (AgSnO2In2O3)
Contact resistance	100 mOhm
[Ithe] conventional enclosed thermal current	5 A (temperature : -40...131 °F (-40...55 °C))
[Ie] rated operational current	5 A at 30 V DC conforming to UL 5 A at 30 V DC conforming to IEC 5 A at 250 V AC conforming to IEC 5 A at 250 V AC conforming to UL
Maximum switching voltage	250 V AC 30 V DC
Load current	5 A at 250 V AC
Maximum switching capacity	1250 VA
Minimum switching capacity	50 mW at 10 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 NO resistive load at 55 °C 100000 cycles 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 1.2/50 µs
Dielectric strength	5000 V AC (reinforced insulation between coil and contact) 3000 V AC (basic insulation between poles) 1000 V AC (micro disconnection between contacts)
Resistance	6300 Ohm +/- 10 %
Insulation resistance	1000 MOhm at 500 V DC
Mounting position	Any position
Average consumption	0.82 VA at 60 Hz
Drop-out voltage threshold	>= 0.3 Uc AC
Control circuit voltage limits	0.8...1.1 Uc, AC
Electrical insulation class	Class F
Operating time	20 ms
Reset time	20 ms
[Uc] control circuit voltage	120 V AC
Safety reliability data	B10d = 100000
Colour of cover	Standard
Local signalling	Flag

Product weight	0.04 lb(US) (0.02 kg)
Device presentation	Complete product

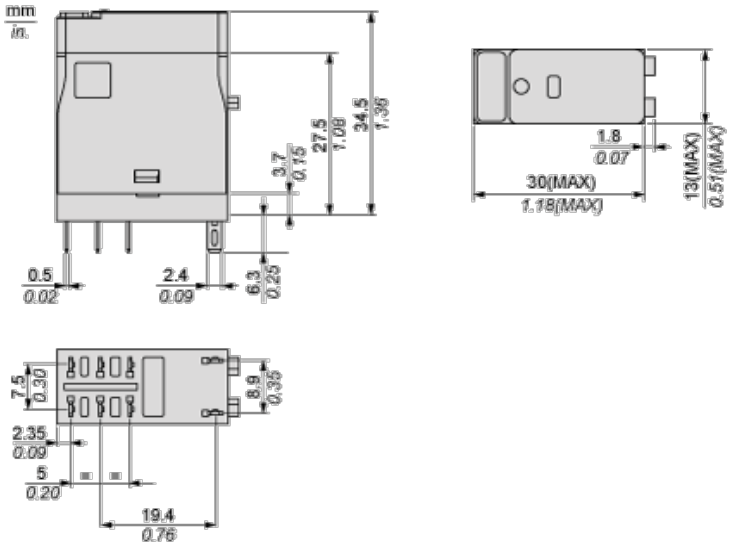
Environment

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...185 °F (-40...85 °C)
ambient air temperature for operation	-40...158 °F (-40...70 °C)
relative humidity	10...85 %
torque value	0.8 N.m

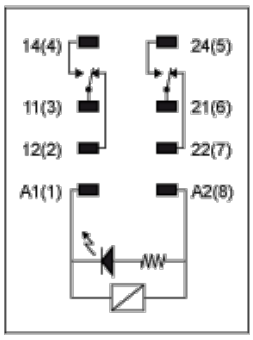
Offer Sustainability

Green Premium product	Green Premium product
Compliant - since 1426 - Schneider Electric declaration of conformity	Compliant - since 1426 - Schneider Electric declaration of conformity
Reference not containing SVHC above the threshold	Reference not containing SVHC above the threshold
Available	Available
Need no specific recycling operations	Need no specific recycling operations
WARNING: This product can expose you to chemicals including:	WARNING: This product can expose you to chemicals including:
Nickel compounds, which is known to the State of California to cause cancer, and	Nickel compounds, which is known to the State of California to cause cancer, and
Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm.	Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm.
For more information go to www.p65warnings.ca.gov	For more information go to www.p65warnings.ca.gov

Dimensions

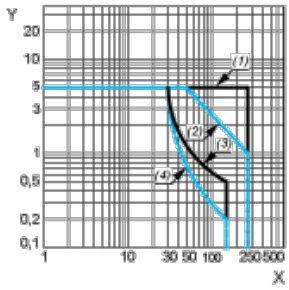


Wiring Diagram



Performance Curves

Maximum Switching Capacity

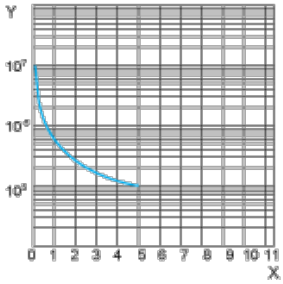


X : Switching voltage (V)
Y : Switching current (A)
(1) AC Resistive Load
(2) AC Inductive Load cos(¦µ)=0.4
(3) DC Resistive Load
(4) DC Inductive Load T0.95=6P

Performance Curves

Life Expectancy

Resistive Load



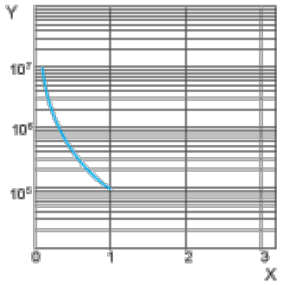
X : Contact Current (A)

Y : Operating Cycle Number

Performance Curves

Life Expectancy

Inductive Load



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