

Product data sheet

Specifications



Plug in relay, Zelio Relay, SPDT, power, socket, 120 VAC coil

RPM1Soc120A

Main

Range of product	Harmony Relay
Series name	Power
Product or component type	Plug-in relay
Device short name	RPM
Contacts type and composition	2 C/O
[Uc] control circuit voltage	120 V AC
[Ithe] conventional enclosed thermal current	15 A -40...131 °F (-40...55 °C)
Status LED	Without
Control type	Lockable test button
Utilisation coefficient	20 %

Complementary

Shape of pin	Flat
[Ui] rated insulation voltage	250 V IEC 300 V CSA 300 V UL
[Uimp] rated impulse withstand voltage	4 kV 1.2/50 µs
Contacts material	AgNi
[Ie] rated operational current	15 A 277 V AC) UL 15 A 28 V DC) UL 15 A 250 V AC) NO IEC 15 A 28 V DC) NO IEC 7.5 A 250 V AC) NC IEC 7.5 A 28 V DC) NC IEC
Maximum switching voltage	250 V IEC
Resistive load current	15 A 250 V AC 15 A 28 V DC
Maximum switching capacity	3750 VA 420 W
Minimum switching capacity	170 mW 10 mA, 17 V
Operating rate	<= 1200 cycles/hour under load <= 18000 cycles/hour no-load
Mechanical durability	10000000 cycles
Electrical durability	100000 cycles resistive

Average coil consumption in VA	1.1 60 Hz
Drop-out voltage threshold	>= 0.15 U _c AC
Operate time	20 ms at nominal voltage
Release time	20 ms at nominal voltage
Average coil resistance	4430 Ohm 68 °F (20 °C) +/- 15 %
Rated operational voltage limits	96...132 V AC
Protection category	RT I
Operating position	Any position
Pollution degree	3
Safety reliability data	B10d = 100000
Net weight	0.08 lb(US) (0.036 kg)
Device presentation	Complete product

Environment

Dielectric strength	1500 V AC between contacts micro disconnection 2000 V AC between coil and contact reinforced 2000 V AC between poles basic
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)
Ambient air temperature for operation	-40...131 °F (-40...55 °C)
Vibration resistance	3 gn +/- 1 mm 10...150 Hz)5 cycles in operation 5 gn +/- 1 mm 10...150 Hz)5 cycles not operating
Degree of protection (Housing only)	IP40 EN/IEC 60529
Shock resistance	15 gn in operation 30 gn not operating

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	2.00 lb(US) (0.907 kg)
Package 1 Height	19.05 in (48.387 cm)
Package 1 width	7.50 in (19.05 cm)
Package 1 Length	48.39 in (122.903 cm)

Offer Sustainability

REACH Regulation	REACH Declaration
REACH free of SVHC	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Toxic heavy metal free	Yes
Mercury free	Yes
RoHS exemption information	Yes

China RoHS Regulation

[China RoHS declaration](#)

WEEE

The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
