Product datasheet

Specifications





plug-in relay, Harmony electromechanical relays, 15A, 2CO, with LED, lockable test button, 230V AC

RPM22P7

Main

Range of product	Harmony Electromechanical Relays	
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	230 V AC 50/60 Hz	
[Ithe] conventional enclosed thermal current	15 A at -4055 °C	
Status LED	With	
Control type	Lockable test button	
Utilisation coefficient	20 %	

Complementary

Shape of pin	Flat
[Ui] rated insulation voltage	250 V conforming to IEC 300 V conforming to CSA 300 V conforming to UL
[Uimp] rated impulse withstand voltage	4 kV during 1.2/50 μs
Contacts material	AgNi
[le] rated operational current	15 A at 277 V (AC) conforming to UL 15 A at 28 V (DC) conforming to UL 15 A at 250 V (AC) NO conforming to IEC 15 A at 28 V (DC) NO conforming to IEC 7.5 A at 250 V (AC) NC conforming to IEC 7.5 A at 28 V (DC) NC conforming to IEC
Maximum switching voltage	250 V conforming to IEC
Resistive load current	15 A at 250 V AC 15 A at 28 V DC
Maximum switching capacity	3750 VA 420 W
Minimum switching capacity	170 mW at 10 mA, 17 V
Operating rate	<= 1200 cycles/hour under load <= 18000 cycles/hour no-load
Mechanical durability	1000000 cycles
Electrical durability	100000 cycles for resistive load
Average coil consumption in VA	1.1 at 60 Hz
Drop-out voltage threshold	>= 0.15 Uc AC

Operate time	20 ms at nominal voltage	
Release time	20 ms at nominal voltage	
Average coil resistance	16270 Ohm at 20 °C +/- 15 %	
Rated operational voltage limits	184253 V AC	
Protection category	RTI	
Test levels	Level A group mounting	
Operating position	Any position	
Pollution degree	3	
Safety reliability data	B10d = 100000	
Net weight	0.036 kg	
device presentation	Complete product	

Environment

Dielectric strength	1500 V AC between contacts with micro disconnection 2000 V AC between coil and contact with reinforced 2000 V AC between poles with basic	
Standards	CSA C22.2 No 14 UL 508 IEC 61810-1	
Product certifications	CSA UL EAC	
Ambient air temperature for storage	-4085 °C	
Ambient air temperature for operation	-4055 °C	
Vibration resistance	3 gn, amplitude = +/- 1 mm (f = 10150 Hz)5 cycles in operation 5 gn, amplitude = +/- 1 mm (f = 10150 Hz)5 cycles not operating	
Degree of protection (Housing only)	IP40 conforming to IEC 60529	
Shock resistance	15 gn for in operation 30 gn for not operating	

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	2.104 cm
Package 1 Width	2.723 cm
Package 1 Length	4.645 cm
Package 1 Weight	40.000 g
Unit Type of Package 2	BB1
Number of Units in Package 2	10
Package 2 Height	2.800 cm
Package 2 Width	10.800 cm
Package 2 Length	13.500 cm
Package 2 Weight	400.000 g
Unit Type of Package 3	S02
Number of Units in Package 3	240

Package 3 Height	15.000 cm
Package 3 Width	30.000 cm
Package 3 Length	40.000 cm
Package 3 Weight	10.070 kg

Contractual warranty

Warranty

18 months

Sustainability Screen Premium

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Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium >

Guide to assess a product's sustainability >



Transparency RoHS/REACh

Well-being performance

Reach Free Of Svhc

Rohs Exemption Information Yes

Certifications & Standards

Reach Regulation	REACh Declaration
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
China Rohs Regulation	China RoHS declaration
Environmental Disclosure	Product Environmental Profile
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
Circularity Profile	No need of specific recycling operations