Product data sheet
Characteristics

RPM22E7
power relay, Harmony Electromechanical Relays, 15A, 2CO, with LED, lockable test button, 48V AC



⚠ End of Commercialisation

Commercial status
End of Commercialisation : AUG 15, 2024

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
Status LED	With
Minimum switching capacity	170 mW at 10 mA, 17 V
Reset time	20 Ms at nominal voltage
Ambient air temperature for operation	-40…55 °C
[Ithe] conventional enclosed thermal current	15 A at -40…55 °C

Complementary

[Uc] control circuit voltage	48 V AC 50/60 Hz
Control type	Lockable test button
[Ie] 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
IP degree of protection	IP40 conforming to IEC 60529
Rated operational voltage limits	38.4...52.8 V AC
[Ui] rated insulation voltage	250 V conforming to IEC 300 V conforming to CSA 300 V conforming to UL
Maximum switching voltage	250 V conforming to IEC
Drop-out voltage threshold	>= 0.15 Uc AC
Average resistance	708 Ohm at 20 °C +/- 15 %
Maximum switching capacity	3750 VA 420 W
Load current	15 A at 250 V AC 15 A at 28 V DC
Operating time	20 ms at nominal voltage
Mechanical durability	10000000 Cycles
Electrical durability	100000 Cycles for resistive load
Safety reliability data	B10d = 100000

Operating rate	<= 1200 cycles/hour under load <= 18000 cycles/hour no-load
Utilisation coefficient	20 %
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
[Uimp] rated impulse withstand voltage	4 KV during 1.2/50 µs
Protection category	RT I
Operating position	Any position
Test levels	Level A group mounting
Device presentation	Complete product
Contacts material	AgNi
Shape of pin	Flat
Net weight	0.036 Kg

Environment

Average coil consumption in VA	1.1 at 60 Hz
Pollution degree	3
Standards	IEC 61810-1 UL 508 CSA C22.2 No 14
Product certifications	EAC[RETURN]CSA[RETURN]UL
Ambient air temperature for storage	-40…85 °C
Vibration resistance	3 gn, amplitude = +/- 1 mm (f = 10…150 Hz)5 cycles in operation 5 gn, amplitude = +/- 1 mm (f = 10…150 Hz)5 cycles not operating
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	4.7 Cm
Package 1 Width	2.8 Cm
Package 1 Length	2.1 Cm
Package 1 Weight	40 G
Unit Type of Package 2	CAR
Number of Units in Package 2	10
Package 2 Height	3.2 Cm
Package 2 Width	10.5 Cm
Package 2 Length	12.2 Cm
Package 2 Weight	392 G
Unit Type of Package 3	S01
Number of Units in Package 3	120
Package 3 Height	15 Cm
Package 3 Width	15 Cm
Package 3 Length	40 Cm
Package 3 Weight	4.929 Kg

Offer Sustainability

Total lifecycle Carbon footprint	15 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	0.3827508515
Carbon footprint of the manufacturing phase [A1 to A3]	0.4 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.0051609117
Carbon footprint of the distribution phase [A4]	0 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0.0001301703
Carbon footprint of the installation phase [A5]	0 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	14.9323578839

REACh free of SVHC	Yes
Carbon footprint of the use phase [B2, B3, B4, B6]	15 kg CO2 eq.
Sustainable packaging	Yes
Carbon footprint of the end-of-life phase [C1 to C4]	0.0053638983
Carbon footprint of the end-of-life phase [C1 to C4]	0 kg CO2 eq.
Total lifecycle Carbon footprint	15
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
REACh Regulation	Free of Substances of Very High Concern above the threshold
EU RoHS Directive	Compliant
California proposition 65	WARNING: This product can expose you to chemicals including: Nickel compounds, which is k
End of life manual availability	No need of specific recycling operations

Contractual warranty

Warranty (in months)	18

Product Life Status : End of commercialisation

RPM22E7 is replaced by the following product range:



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Slim Interface, Miniature, Power, and Universal Relays

Substitution date: |