## Product data sheet Characteristics

## RPM22F7

# Zelio RPM, power plugin relay, 2 C/O, 120 VAC, 15 A, with LED





#### 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	120 V AC 50/60 Hz
[Ithe] conventional enclosed thermal current	15 A -40131 °F (-4055 °C)
Status LED	With
Control Type	Lockable test button
Utilisation coefficient	20 %

#### Complementary

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
[le] 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
resistive load current	15 A 28 V DC
Maximum switching capacity	3750 VA
Waximum Switching capacity	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 Uc AC
Operate time	20 ms at nominal voltage
Release time	20 ms at nominal voltage
Average coil resistance	4430 Ohm at 68 °F (20 °C) +/- 15 %
Rated operational voltage limits	96132 V AC
Protection category	RT I
Test levels	Level A
Operating position	Any position
Pollution degree	3
Safety reliability data	B10d = 100000

Product Weight	0.08 lb(US) (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	
	EN/IEC 61810-1	
	UL 508	
Product Certifications	EAC	
	CSA	
	UL	
Ambient Air Temperature for Storage	-40185 °F (-4085 °C)	
Ambient air temperature for operation	-40131 °F (-4055 °C)	
Vibration resistance	3 gn +/- 1 mm 10150 Hz)5 cycles in operation	
	5 gn +/- 1 mm 10150 Hz)5 cycles not operating	
Degree of protection (Housing only)	IP40 conforming to EN/IEC 60529	
Shock resistance	15 gnin operation	
	30 gnnot operating	

### Ordering and shipping details

Category	21127 - ZELIO ICE CUBE RELAYS	
Discount Schedule	CP2	
GTIN	3389119401920	
Nbr. of units in pkg.	1	
Package weight(Lbs)	1.41 oz (40 g)	
Returnability	Yes	
Country of origin	CN	

#### **Packing Units**

Packing Units	
Unit Type of Package 1	PCE
Package 1 Height	1.85 in (47 mm)
Package 1 width	1.10 in (28 mm)
Package 1 Length	0.83 in (21 mm)
Unit Type of Package 2	CAR
Number of Units in Package 2	10
Package 2 Weight	14.11 oz (400 g)
Package 2 Height	1.18 in (3 cm)
Package 2 width	4.53 in (11.5 cm)
Package 2 Length	3.94 in (10 cm)
Unit Type of Package 3	S01
Number of Units in Package 3	120
Package 3 Weight	11.08 lb(US) (5.025 kg)
Package 3 Height	5.91 in (15 cm)
Package 3 width	5.91 in (15 cm)
Package 3 Length	15.75 in (40 cm)

### Offer Sustainability

Warranty

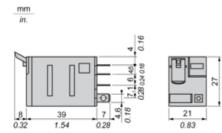
Sustainable offer status	Green Premium product
California proposition 65	WARNING: This product can expose you to chemicals including: Nickel compounds, which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov
REACh Regulation	REACh Declaration
REACh free of SVHC	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EVEN RoHS
Toxic heavy metal free	Yes
Mercury free	Yes
RoHS exemption information	₫Yes
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.

18 months

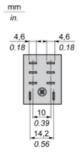
# Product data sheet Dimensions Drawings

# RPM22F7

#### **Dimensions**

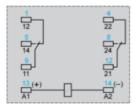


Pin Side View



### Wiring Diagram





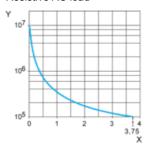
Symbols shown in blue correspond to Nema marking.

# Product data sheet Performance Curves

#### **Electrical Durability of Contacts**

Durability (inductive load) = durability (resistive load) x reduction coefficient.

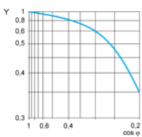
Resistive AC load



X Switching capacity (kVA)

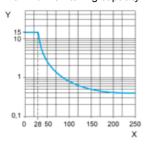
Y Durability (Number of operating cycles)

Reduction coefficient for inductive AC load (depending on power factor cos φ)



Y Reduction coefficient (A)

Maximum switching capacity on resistive DC load



X Voltage DC

Y Current DC

Note: These are typical curves, actual durability depends on load, environment, duty cycle, etc.

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