

# Product data sheet

Specifications

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勝特力電材超市-光復店 886-3-5729570  
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勝特力電子(深圳) 86-755-83298787  
<http://www.100y.com.tw>



plug-in relay, Harmony  
electromechanical relays, 15A, 1CO,  
with LED, lockable test button, 24V  
DC

RPM12BD

Product availability: Stock - Normally stocked in distribution  
facility

## Main

Range of Product	Harmony Electromechanical Relays
Series name	RPM series
Product or Component Type	Plug-in relay
Contacts type and composition	1 C/O
Relay Type	Power relay
Status LED	With
[Uc] control circuit voltage	24 V DC
Minimum switching capacity	170 mW 10 mA, 17 V
Release time	20 ms at nominal voltage
Ambient air temperature for operation	-40...131 °F (-40...55 °C)
[Ithe] conventional enclosed thermal current	15 A -40...131 °F (-40...55 °C)

## Complementary

Control Type	Lockable test button
[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
Degree of protection (Housing only)	IP40 conforming to IEC 60529
Rated operational voltage limits	19.2...26.4 V DC
[Ui] rated insulation voltage	250 V IEC 300 V CSA 300 V UL
Maximum switching voltage	250 V IEC
Drop-out voltage threshold	$\geq 0.1 U_c$ DC
Maximum switching capacity	3750 VA 420 W
Mechanical durability	10000000 cycles
Electrical durability	100000 cycles resistive
Safety reliability data	B10d = 100000
Operating rate	$\leq 1200$ cycles/hour under load $\leq 18000$ cycles/hour no-load

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

Utilisation coefficient	20 %
Dielectric strength	1500 V AC between contacts with micro disconnection 2000 V AC between coil and contact with reinforced
[Uimp] rated impulse withstand voltage	4 kV 1.2/50 µs
Protection category	RT I
Mounting Support	Plug-in
Operating position	Any position
Test levels	Level A group mounting
Device presentation	Complete product
Contacts material	AgNi
Shape of pin	Flat (faston type)
Product Weight	0.057 lb(US) (0.026 kg)

## Environment

Pollution degree	3
Standards	IEC 61810-1 UL 508 CSA C22.2 No 14
Product Certifications	CSA EAC UL
Ambient Air Temperature for Storage	-40...185 °F (-40...85 °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
Shock resistance	15 gn in operation 30 gn not operating

## Ordering and shipping details

Category	US10CP221127
Discount Schedule	0CP2
GTIN	3389119401739
Returnability	Yes
Country of origin	CN

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	0.55 in (1.400 cm)
Package 1 Width	1.02 in (2.600 cm)
Package 1 Length	1.54 in (3.900 cm)
Package 1 Weight	0.847 oz (24.000 g)
Unit Type of Package 2	BB1
Number of Units in Package 2	10
Package 2 Height	1.30 in (3.300 cm)
Package 2 Width	3.27 in (8.300 cm)

<b>Package 2 Length</b>	4.33 in (11.000 cm)
<b>Package 2 Weight</b>	9.665 oz (274.000 g)
<b>Unit Type of Package 3</b>	S02
<b>Number of Units in Package 3</b>	360
<b>Package 3 Height</b>	5.91 in (15.000 cm)
<b>Package 3 Width</b>	11.81 in (30.000 cm)
<b>Package 3 Length</b>	15.75 in (40.000 cm)
<b>Package 3 Weight</b>	22.888 lb(US) (10.382 kg)

## Contractual warranty

<b>Warranty</b>	18 months
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## Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

### Environmental footprint

Carbon footprint (kg CO2 eq, Total Life cycle) 21

Environmental Disclosure [Product Environmental Profile](#)

## Use Better

### Materials and Substances

Packaging made with recycled cardboard Yes

Packaging without single use plastic Yes

[EU RoHS Directive](#)

Pro-active compliance (Product out of EU RoHS legal scope)

REACH Regulation

[REACH Declaration](#)

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](http://www.P65Warnings.ca.gov)

## Use Again

### Repack and remanufacture

Circularity Profile No need of specific recycling operations

Take-back No

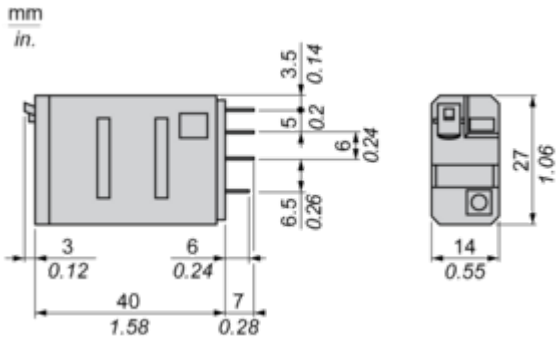
WEEE

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

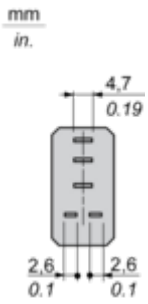
Dimensions Drawings

Dimensions

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Pin Side View





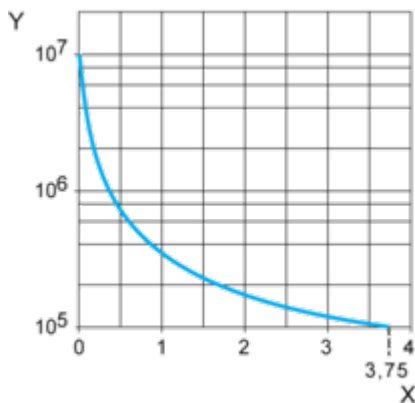
Performance Curves

**Electrical Durability of Contacts**

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

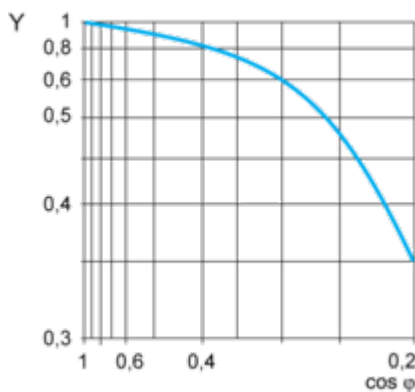
Resistive AC load



X Switching capacity (kVA)

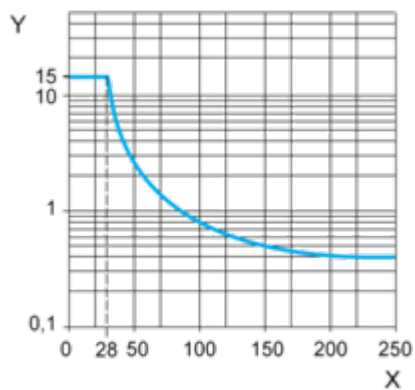
Y Durability (Number of operating cycles)

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.

Technical Illustration

Dimensions

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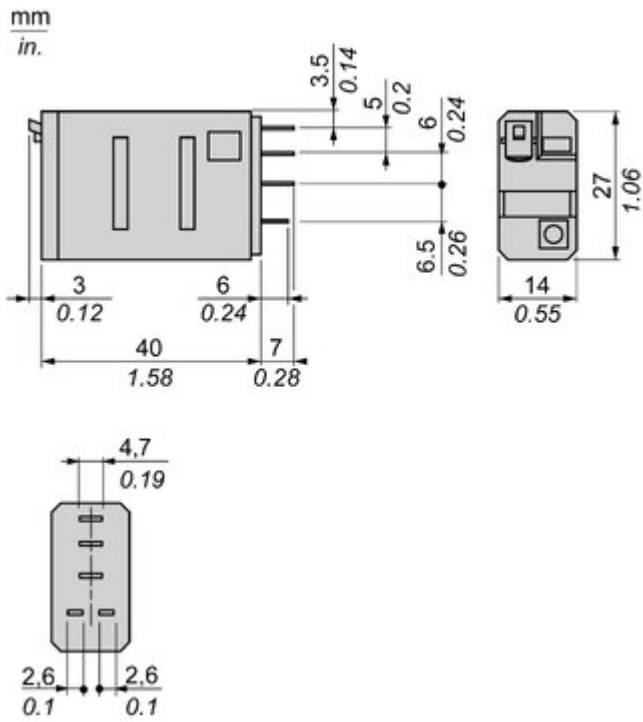


Image of product / Alternate images

Alternative

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