

# Product data sheet

Specifications



current control relay, Harmony Control Relays, 5A, 1CO, overcurrent function, 250V AC DC

RM17JC00MW

Product availability: Stock - Normally stocked in distribution facility

**Price\*: 130.00 USD**

## Main

Range Of Product	Harmony Control Relays
Relay Type	Current control relay
Product Or Component Type	Current control relay
Relay Name	RM17JC
Relay Monitored Parameters	Overcurrent detection
Time Delay	Without
Switching Capacity In Va	1250 VA
Minimum Switching Current	10 mA 5 V DC
Maximum Power Consumption In Va	3 VA
Measurement Range	2...20 A AC
Utilisation Category	AC-12 IEC 60947-5-1 AC-13 IEC 60947-5-1 AC-14 IEC 60947-5-1 AC-15 IEC 60947-5-1 DC-12 IEC 60947-5-1 DC-13 IEC 60947-5-1 DC-14 IEC 60947-5-1
Contacts Type And Composition	1 C/O

## Complementary

Maximum Switching Voltage	250 V AC/DC
[Us] Rated Supply Voltage	AC/DC
Supply Voltage Limits	20.4...264 V AC/DC
Operating Voltage Tolerance	- 15 % + 10 % Un
Maximum Power Consumption In W	1 W
Control Circuit Frequency	40...70 Hz sinusoidal
Output Contacts	1 C/O
Nominal Output Current	5 A
Maximum Measuring Cycle	30 ms measurement cycle as true rms value
Hysteresis	15 % fixed threshold setting
Delay At Power Up	0.5 s
Measurement Accuracy	+/- 10 % of the full scale value

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

<b>Repeat Accuracy</b>	+/- 0.5 % input and measurement circuit
<b>Measurement Error</b>	+/- 0.05 %/°C with temperature variation < 1 % over the whole range with voltage variation
<b>Response Time</b>	< 200 ms (in the event of a fault)
<b>Polarity</b>	Yes DC
<b>Threshold Setting</b>	10...100 %
<b>Input Current</b>	100000 mA permanent at 25 °C 300000 mA non repetitive < 3 s at 25 °C
<b>Marking</b>	CE : 73/23/EEC CE : EMC 89/336/EEC
<b>Overvoltage Category</b>	III IEC 60664-1
<b>Insulation Resistance</b>	> 500 MOhm 500 V DC IEC 60255-5 > 500 MOhm 500 V DC IEC 60664-1
<b>[UI] Rated Insulation Voltage</b>	400 V IEC 60664-1
<b>Insulation</b>	Between supply and measurement
<b>Operating Position</b>	Any position without derating
<b>Connections - Terminals</b>	Screw terminals, 1 x 0.5...1 x 4 mm <sup>2</sup> AWG 20...AWG 11) solid without cable end Screw terminals, 2 x 0.5...2 x 2.5 mm <sup>2</sup> AWG 20...AWG 14) solid without cable end Screw terminals, 1 x 0.2...1 x 2.5 mm <sup>2</sup> AWG 24...AWG 12) flexible with cable end Screw terminals, 2 x 0.2...2 x 1.5 mm <sup>2</sup> AWG 24...AWG 16) flexible with cable end
<b>Tightening Torque</b>	5.31...8.85 lbf.in (0.6...1 N.m) IEC 60947-1
<b>Housing Material</b>	Self-extinguishing plastic
<b>Local Signalling</b>	for power ON LED (green) for relay ON LED (yellow)
<b>Mounting Support</b>	35 mm symmetrical DIN rail conforming to IEC 60715
<b>Electrical Durability</b>	100000 cycles
<b>Mechanical Durability</b>	30000000 cycles
<b>Operating Rate</b>	<= 360 operations/hour full load
<b>[Un] Rated Nominal Voltage</b>	AC/DC non self-powered
<b>Contacts Material</b>	Cadmium free
<b>Width</b>	0.69 in (17.5 mm)
<b>Control Type</b>	Without test button
<b>Net Weight</b>	0.29 lb(US) (0.13 kg)

## Environment

<b>Immunity To Microbreaks</b>	10 ms
<b>Electromagnetic Compatibility</b>	Emission standard for industrial environments conforming to IEC 61000-6-4 Emission standard for residential, commercial and light-industrial environments conforming to IEC 61000-6-3 Immunity for industrial environments conforming to NF EN/IEC 61000-6-2
<b>Standards</b>	IEC 60255-6
<b>Product Certifications</b>	GL C-tick GOST UL CSA
<b>Ambient Air Temperature For Storage</b>	-40...158 °F (-40...70 °C)
<b>Ambient Air Temperature For Operation</b>	-4...122 °F (-20...50 °C)

<b>Relative Humidity</b>	95 % 131 °F (55 °C) IEC 60068-2-30
<b>Vibration Resistance</b>	0.35 mm 5...57.6 Hz)IEC 60068-2-6 1 gn 57.6...150 Hz)IEC 60255-21-1
<b>Shock Resistance</b>	15 gn 11 ms IEC 60255-21-1
<b>Ip Degree Of Protection</b>	IP20 IEC 60529 terminals) IP30 IEC 60529 casing)
<b>Pollution Degree</b>	3 IEC 60664-1
<b>Dielectric Test Voltage</b>	2 kV AC 50 Hz
<b>Non-Dissipating Shock Wave</b>	4 kV

## Ordering and shipping details

<b>Category</b>	US10CP222380
<b>Discount Schedule</b>	0CP2
<b>Gtin</b>	3389119405034
<b>Returnability</b>	Yes
<b>Country Of Origin</b>	ID

## Packing Units

<b>Unit Type Of Package 1</b>	PCE
<b>Number Of Units In Package 1</b>	1
<b>Package 1 Height</b>	1.10 in (2.800 cm)
<b>Package 1 Width</b>	3.82 in (9.700 cm)
<b>Package 1 Length</b>	4.09 in (10.400 cm)
<b>Package 1 Weight</b>	4.34 oz (123.000 g)
<b>Unit Type Of Package 2</b>	S02
<b>Number Of Units In Package 2</b>	32
<b>Package 2 Height</b>	5.91 in (15.000 cm)
<b>Package 2 Width</b>	11.81 in (30.000 cm)
<b>Package 2 Length</b>	15.75 in (40.000 cm)
<b>Package 2 Weight</b>	9.66 lb(US) (4.380 kg)

## Contractual warranty

<b>Warranty</b>	18 months
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## Sustainability

**Green Premium™ label** is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO<sub>2</sub> products.

**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

Mercury Free

Rohs Exemption Information Yes

## Certifications & Standards

Reach Regulation

[REACH Declaration](#)

Eu Rohs Directive

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

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

[End of Life Information](#)

California Proposition 65

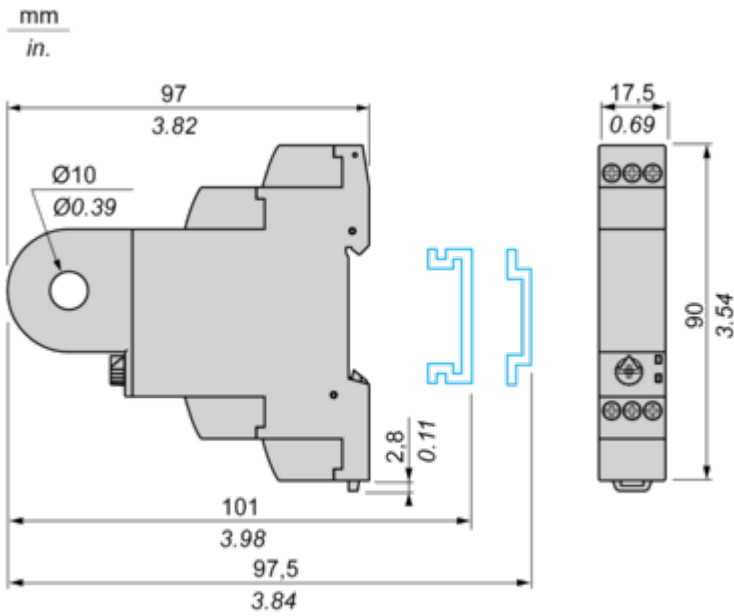
WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

Dimensions Drawings

Current Control Relays

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Dimensions and Mounting

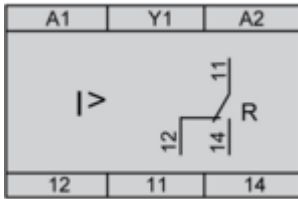


Connections and Schema

Current Control Relays

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Wiring Diagram

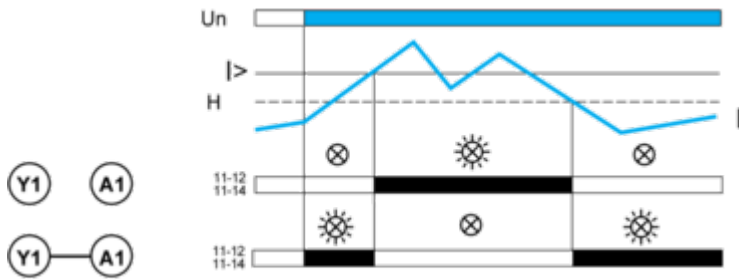


Technical Description

Function Diagram

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Control of Overcurrent



Legend

**Un** Supply voltage

**I** Monitored current

**H** Hysteresis

**I>** Overcurrent threshold (set by means of a potentiometer)

**11-12/11-14, 21-22/21-24** Output relay connections (refer to Connections and Schema)

**Relay status:** black color = energized.

**NOTE:** When terminal Y1 is linked to A1 (+), the output is reversed.