

# Product datasheet

Specifications



Harmony, plugin relay socket, mixed contact, 10 A, 250 V, octal connector, for RUMC2 relays

RUZC2M

## Main

|  |  |
|--|--|
| Range of product   | Harmony Electromechanical Relays<br>Harmony Timer Relays   |
| Device short name  | RUZ  |
| Product or component type                                | Socket   |
| Product compatibility                                    | Plug-in relay RUM with 2 C/O contact<br>Plug-in relay RE48 with 2 C/O contact<br>Plug-in relay RE48 with 1 C/O + 1 C/O contact |
| [I <sub>th</sub> ] conventional free air thermal current | 10 A   |
| [U <sub>e</sub> ] rated operational voltage              | < 250 V  |
| Contacts type and composition                            | 2 C/O  |

## Complementary

|   |  |
|---|--|
| Connections - terminals                             | Connector, 1 x 0.25...1 x 2.5 mm <sup>2</sup> (AWG 22...AWG 14) flexible with cable end<br>Connector, 2 x 0.25...2 x 1 mm <sup>2</sup> (AWG 22...AWG 17) flexible with cable end<br>Connector, 1 x 0.5...1 x 2.5 mm <sup>2</sup> (AWG 20...AWG 14) solid without cable end<br>Connector, 2 x 0.5...2 x 1.5 mm <sup>2</sup> (AWG 20...AWG 16) solid without cable end |
| Shape of pin  | Cylindrical  |
| Tightening torque                                   | < 1 N.m for M3.5 screw(s)  |
| Fixing mode   | By screw (panel)<br>Clip-on (35 mm symmetrical DIN rail)   |
| Contact terminal arrangement                        | Mixed  |
| [U <sub>imp</sub> ] rated impulse withstand voltage | 4 kV   |
| Overvoltage category                                | III  |
| Pollution degree                                    | 3  |
| Sale per indivisible quantity                       | 10   |
| Width   | 38 mm  |
| Product weight                                      | 0.054 kg   |

## Environment

|                                     |                              |
|-------------------------------------|------------------------------|
| IP degree of protection             | IP20 conforming to IEC 60529 |
| Standards                           | IEC 61984                    |
| Product certifications              | UL<br>CSA                    |
| Marking                             | CE                           |
| Ambient air temperature for storage | -40...85 °C                  |

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|                                       |             |
|---------------------------------------|-------------|
| Ambient air temperature for operation | -40...55 °C |
|---------------------------------------|-------------|

## Packing Units

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|                        |     |
|------------------------|-----|
| Unit Type of Package 1 | PCE |
|------------------------|-----|

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|                              |   |
|------------------------------|---|
| Number of Units in Package 1 | 1 |
|------------------------------|---|

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|                  |          |
|------------------|----------|
| Package 1 Height | 2.800 cm |
|------------------|----------|

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|                 |          |
|-----------------|----------|
| Package 1 Width | 3.800 cm |
|-----------------|----------|

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|                  |          |
|------------------|----------|
| Package 1 Length | 8.000 cm |
|------------------|----------|

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|                  |          |
|------------------|----------|
| Package 1 Weight | 50.000 g |
|------------------|----------|

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|                        |     |
|------------------------|-----|
| Unit Type of Package 2 | BB1 |
|------------------------|-----|

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|                              |    |
|------------------------------|----|
| Number of Units in Package 2 | 10 |
|------------------------------|----|

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|                  |          |
|------------------|----------|
| Package 2 Height | 8.500 cm |
|------------------|----------|

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|                 |          |
|-----------------|----------|
| Package 2 Width | 8.500 cm |
|-----------------|----------|

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|                  |           |
|------------------|-----------|
| Package 2 Length | 14.500 cm |
|------------------|-----------|

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|                  |           |
|------------------|-----------|
| Package 2 Weight | 543.000 g |
|------------------|-----------|

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|                        |     |
|------------------------|-----|
| Unit Type of Package 3 | S03 |
|------------------------|-----|

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|                              |     |
|------------------------------|-----|
| Number of Units in Package 3 | 200 |
|------------------------------|-----|

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|                  |           |
|------------------|-----------|
| Package 3 Height | 30.000 cm |
|------------------|-----------|

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|                 |           |
|-----------------|-----------|
| Package 3 Width | 30.000 cm |
|-----------------|-----------|

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|                  |           |
|------------------|-----------|
| Package 3 Length | 40.000 cm |
|------------------|-----------|

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|                  |           |
|------------------|-----------|
| Package 3 Weight | 11.420 kg |
|------------------|-----------|

## Contractual warranty

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|                      |    |
|----------------------|----|
| Warranty (in months) | 18 |
|----------------------|----|



## 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

|  |   |
|--|---|
| Total lifecycle Carbon footprint                       | 2 kg CO2 eq.                                  |
| Carbon footprint of the manufacturing phase [A1 to A3] | 2 kg CO2 eq.                                  |
| Carbon footprint of the distribution phase [A4]        | 0 kg CO2 eq.                                  |
| Carbon footprint of the installation phase [A5]        | 0 kg CO2 eq.                                  |
| Carbon footprint of the use phase [B2, B3, B4, B6]     | 0 kg CO2 eq.                                  |
| Carbon footprint of the end-of-life phase [C1 to C4]   | 0.1 kg CO2 eq.                                |
| Environmental Disclosure                               | <a href="#">Product Environmental Profile</a> |

## Use Better



### Materials and Substances

|  |   |
|--|---|
| Packaging made with recycled cardboard | Yes   |
| Packaging without single use plastic   | Yes   |
| EU RoHS Directive                      | <a href="#">Compliant</a>   |
| REACH Regulation                       | <a href="#">Free of Substances of Very High Concern above the threshold</a> |

## Use Longer



### Lifetime extension

|        |    |
|--------|----|
| Repair | No |
|--------|----|

## Use Again



### Repack and remanufacture

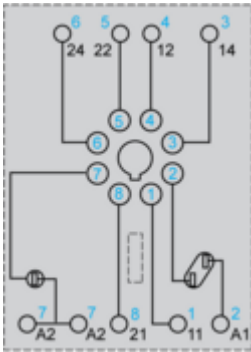
|                                 |  |
|---------------------------------|--|
| Recyclability potential, in %   | 58                                       |
| End of life manual availability | No need of specific recycling operations |
| Take-back                       | No                                       |



Connections and Schema

Wiring Diagram

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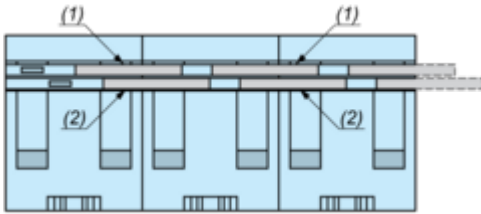


Symbols shown in blue correspond to Nema marking.

## Bus Jumpers Mounting on Sockets with Separate Contacts

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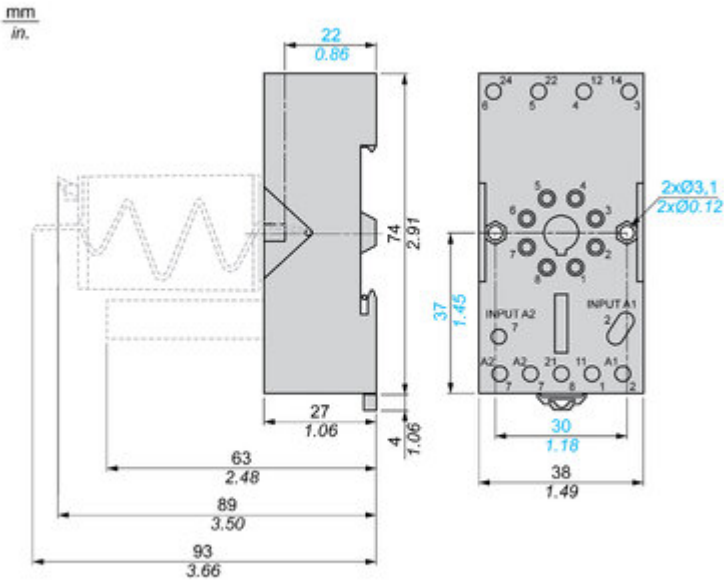
Example of RUZS2 bus jumper mounting on sockets (view from below)



- (1) 2 bus jumpers (polarity A2)
- (2) 2 bus jumpers (polarity A1)

Technical Illustration

Dimensions



Offer Marketing Illustration

Product benefits / Features

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## Technical Benefits

### Harmony Timer Relay

Flexible choice of screw or spring connection terminals for wiring.

One product reference covering 28 timing functions, 2 outputs, and a wide range of supply voltage 24...240 V AC/DC.

Dust and unintended human intervention avoided thanks to the IP50 lead-sealable settings protection cover.



A Dial-Pointer LED indicator that enhances ease of operation in difficult environments such as dusty or low-light conditions

Different mounting style to meet your preference:  
DIN rail mount with product width; 17.5 mm/0.69 in.  
22.5 mm/0.88 in.  
Plug in mounting with socket

Offer Marketing Illustration

Product benefits / Features

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The infographic features a central image of a black Harmony Timer Relay. It is surrounded by five circular icons, each with a corresponding text block. The background is a solid green color.

### Features

#### Harmony Timer Relay

-  "Diagnostic button" to check downstream circuit immediately, shorten the commission and troubleshooting time
-  Compatible with a wide range of applications including machines, buildings, water segments, and HVAC.
-  Wide range of time delay for adjustment: from 0.01 s to 999 hrs.
-  Compliant with IEC 60255-1 standard, and a wide array of product certifications such as UL, CE, CSA, EAC.
-  Unprecedented accuracy, predictive maintenance, and superior security.

Image of product / Alternate images

Alternative

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Image of product in real life situation

