

# Product data sheet

Specifications



## universal plug-in relay - Harmony RUM - 3 C/O - 48 V AC - 10 A - with LED

RUMC33E7

⚠ Discontinued on: Jan 23, 2021

⚠ Discontinued

### Main

Range Of Product	Harmony Relay
Series Name	Universal
Product Or Component Type	Plug-in relay
Device Short Name	RUM
Contacts Type And Composition	3 C/O
[Uc] Control Circuit Voltage	48 V AC 50/60 Hz
[Ithe] Conventional Enclosed Thermal Current	10 A -40...131 °F (-40...55 °C)
Status Led	With
Control Type	Without lockable test button
Utilisation Coefficient	20 %

### Complementary

Shape Of Pin	Cylindrical
[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
[Ie] Rated Operational Current	10 A at 277 V AC conforming to UL 10 A at 30 V DC conforming to UL 10 A at 277 V AC (same polarity) conforming to CSA 10 A at 30 V DC conforming to CSA 5 A at 250 V AC (NC) conforming to IEC 5 A at 28 V DC (NC) conforming to IEC 10 A at 250 V AC (NO) conforming to IEC 10 A at 28 V DC (NO) conforming to IEC
Maximum Switching Voltage	250 V IEC
Resistive Rated Load	10 A 250 V AC 10 A 28 V DC
Maximum Switching Capacity	2500 VA/280 W
Minimum Switching Capacity	170 mW 10 mA, 17 V
Operating Rate	<= 18000 cycles/hour no-load <= 1200 cycles/hour under load
Mechanical Durability	5000000 cycles
Electrical Durability	100000 cycles resistive

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

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Average Coil Consumption In Va	3 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	290 Ohm 20 °C +/- 15 %
Rated Operational Voltage Limits	38.4...52.8 V AC
Protection Category	RT I
Test Levels	Level A group mounting
Safety Reliability Data	B10d = 100000
Operating Position	Any position
Net Weight	0.19 lb(US) (0.086 kg)
Device Presentation	Complete product

## Environment

Dielectric Strength	1500 V AC between contacts with micro disconnection 2500 V AC between coil and contact with reinforced 2000 V AC between poles with basic
Product Certifications	UL CSA EAC
Standards	UL 508 EN/IEC 61810-1 CSA C22.2 No 14
Ambient Air Temperature For Storage	-40...185 °F (-40...85 °C)
Ambient Air Temperature For Operation	-40...131 °F (-40...55 °C)
Vibration Resistance	3 gn +/- 1 mm 10...150 Hz)5 cycles in operation 4 gn +/- 1 mm 10...150 Hz)5 cycles not operating
Ip Degree Of Protection	IP40
Shock Resistance	10 gn 11 ms) in operation EN/IEC 60068-2-27 10 gn 11 ms) not operating EN/IEC 60068-2-27
Pollution Degree	2

## Ordering and shipping details

Category	21127-ZELIO ICE CUBE RELAYS
Discount Schedule	CP2
Gtin	3606480627040
Returnability	No
Country Of Origin	CN

## Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	2.72 in (6.9 cm)
Package 1 Width	1.40 in (3.55 cm)
Package 1 Length	1.38 in (3.5 cm)

---

Package 1 Weight	3.19 oz (90.5 g)
------------------	------------------

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

 Reach Free Of Svhc

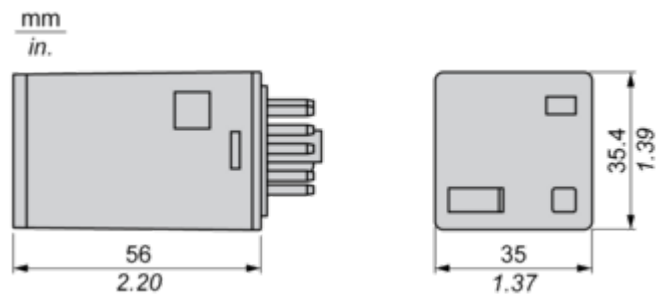
 Rohs Exemption Information   [Yes](#)

Certifications & Standards

Reach Regulation	<a href="#">REACH Declaration</a>
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a>
China Rohs Regulation	<a href="#">China RoHS declaration</a>
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Circularity Profile	No need of specific recycling operations
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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>

Dimensions Drawings

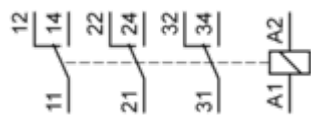
Dimensions



Connections and Schema

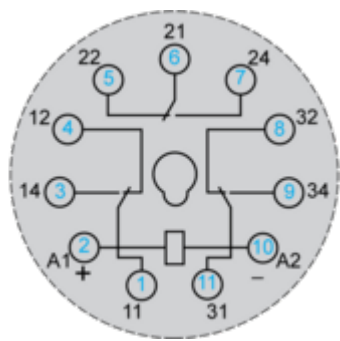
Wiring Diagram

---



Wiring Diagram

---

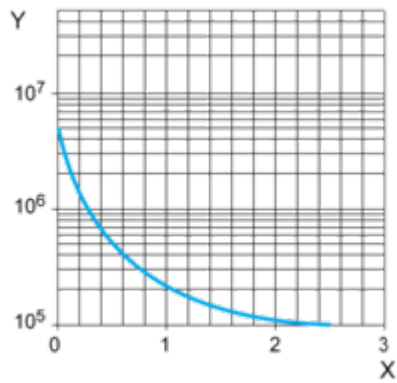


Symbols shown in blue correspond to Nema marking.

Performance Curves

Electrical Durability of Contacts

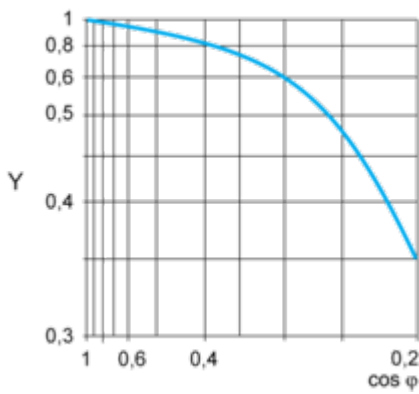
Durability (inductive load) = durability (resistive load) x reduction coefficient.  
Resistive AC load



X Switching capacity (kVA)

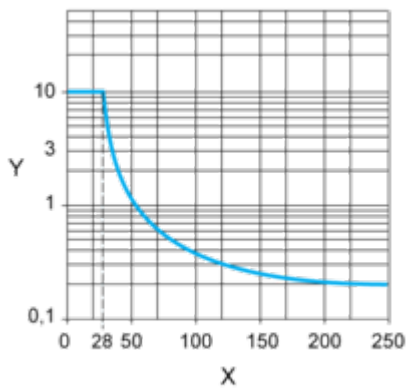
Y Durability (Number of operating cycles)

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.