

# Product data sheet

Specifications



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

RUMC3AB1E7

⚠ Discontinued on: Oct 31, 2014

⚠ End-of-service on: Dec 31, 2014

⚠ Discontinued

### Main

Range of product	Harmony Relay
Series name	Universal
Product or component type	Plug-in relay
Device short name	RUM
[Uc] control circuit voltage	48 V AC
Contacts type and composition	3 C/O
status LED	Without
Control type	Lockable test button
[Ithe] conventional enclosed thermal current	10 A -40...131 °F (-40...55 °C)

### Complementary

[Uimp] rated impulse withstand voltage	4 kV
minimum switching current	10 mA
Minimum switching voltage	17 V
Minimum switching capacity	170 mW
Electrical durability	100000 cycles resistive
Average coil consumption in VA	2...3 60 Hz
Operating time	20 ms
Rated operational voltage limits	38.4...52.8 V AC
[Ui] rated insulation voltage	250 V IEC 300 V CSA 300 V UL
Maximum switching voltage	250 V AC IEC 250 V DC IEC
Drop-out voltage threshold	$\geq 0.15 U_c$ AC
[Ie] rated operational current	10 A AC-1/DC-1 NO)IEC 12 A 28 V DC-1 UL 16 A 277 V AC-1 UL 5 A AC-1/DC-1 NC)IEC
Average resistance	290 Ohm 20 °C +/- 15 %
Maximum switching capacity	2500 VA AC 280 W DC
Mechanical durability	5000000 cycles
Safety reliability data	B10d = 100000

<b>Operating rate</b>	<= 18000 cycles/hour no-load <= 1200 cycles/hour under load
<b>Utilisation coefficient</b>	20 %
<b>Compatibility code</b>	RUM
<b>Dielectric strength</b>	1500 V AC between contacts 1550 V AC between coil and contact 1550 V AC between poles
<b>Protection category</b>	RT I
<b>Pollution degree</b>	3
<b>Operating position</b>	Any position
<b>Contacts material</b>	AgNi
<b>Shape of pin</b>	Cylindrical
<b>Net weight</b>	0.194 lb(US) (0.088 kg)

## Environment

<b>Ambient air temperature for operation</b>	-40...131 °F (-40...55 °C)
<b>IP degree of protection</b>	IP40 conforming to EN/IEC 60529
<b>Standards</b>	CSA C22.2 No 14 UL 508 EN/IEC 61810-1
<b>Product certifications</b>	CSA GOST UL
<b>Ambient air temperature for storage</b>	-40...185 °F (-40...85 °C)
<b>Vibration resistance</b>	3 gn +/- 1 mm 10...150 Hz)10 cycles in operation EN/IEC 60068-2-27 4 gn +/- 1 mm 10...150 Hz)10 cycles not operating EN/IEC 60068-2-27
<b>Shock resistance</b>	10 gnin operation 10 gnnot operating

## Contractual warranty

<b>Warranty (in months)</b>	18
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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 >](#)

### Use Longer



#### Lifetime extension

Repair

No