

# Product datasheet

Specifications



## universal plug-in relay - Harmony RUM - 3 C/O - 110 V DC - 10 A - with LED

RUMC3AB3FD

⚠ Discontinued on: 1 Nov 2020

⚠ 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	110 V DC
Contacts type and composition	3 C/O
status LED	With
Control type	Without push-button
[Ithe] conventional enclosed thermal current	10 A at -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 for resistive load
Operating time	20 ms
Rated operational voltage limits	88...121 V DC
[Ui] rated insulation voltage	250 V conforming to IEC 300 V conforming to CSA 300 V conforming to UL
Maximum switching voltage	250 V AC conforming to IEC 250 V DC conforming to IEC
Drop-out voltage threshold	$\geq 0.1 U_c$ DC
[Ie] rated operational current	10 A AC-1/DC-1 (NO) conforming to IEC 12 A at 28 V DC-1 conforming to UL 16 A at 277 V AC-1 conforming to UL 5 A AC-1/DC-1 (NC) conforming to IEC
Average resistance	10000 Ohm at 20 °C +/- 10 %
Maximum switching capacity	2500 VA AC 280 W DC
Mechanical durability	5000000 cycles
Safety reliability data	B10d = 100000

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

<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>	0.088 kg

## Environment

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