

Product datasheet

Specifications



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

RUMC3AB1ED

⚠ Discontinued on: Oct 31, 2014 AD

⚠ End-of-service on: Dec 31, 2014 AD

⚠ 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 DC
Contacts type and composition	3 C/O
status LED	Without
Control type	Lockable test 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	38.4...52.8 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	1800 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

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

Environment

Ambient air temperature for operation	-40...55 °C
IP degree of protection	IP40 conforming to EN/IEC 60529
Standards	CSA C22.2 No 14 UL 508 EN/IEC 61810-1
Product certifications	UL CSA GOST
Ambient air temperature for storage	-40...85 °C
Vibration resistance	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
Shock resistance	10 gn for in operation 10 gn for not operating

Contractual warranty

Warranty (in months)	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.

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[How we assess product sustainability >](#)

Use Longer

Lifetime extension	
Repair	No