

Product data sheet

Specifications



universal plug-in relay - Harmony RUM - 3 C/O - 60 V DC - 10 A

RUMC3AB1ND

⚠ 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
Contacts Type And Composition	3 C/O
[Uc] Control Circuit Voltage	60 V DC
[Ithe] Conventional Enclosed Thermal Current	10 A -40...131 °F (-40...55 °C)
Status Led	Without
Control Type	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
Contacts Material	AgNi
[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
Minimum Switching Current	10 mA
Maximum Switching Voltage	250 V AC IEC 250 V DC IEC
Minimum Switching Voltage	17 V
Resistive Rated Load	10 A 250 V AC 10 A 28 V DC
Maximum Switching Capacity	2500 VA AC 280 W DC
Minimum Switching Capacity	170 mW
Operating Rate	<= 18000 cycles/hour no-load <= 1200 cycles/hour under load
Mechanical Durability	5000000 cycles

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

Electrical Durability	100000 cycles resistive
Average Coil Consumption In W	1.4 W
Drop-Out Voltage Threshold	>= 0.1 Uc DC
Operate Time	20 ms
Average Coil Resistance	2790 Ohm 20 °C +/- 10 %
Rated Operational Voltage Limits	48...66 V DC
Protection Category	RT I
Safety Reliability Data	B10d = 100000
Operating Position	Any position
Net Weight	0.19 lb(US) (0.088 kg)

Environment

Dielectric Strength	1500 V AC between contacts 1550 V AC between coil and contact 1550 V AC between poles
Product Certifications	GOST CSA UL
Standards	CSA C22.2 No 14 EN/IEC 61810-1 UL 508
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)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
Ip Degree Of Protection	IP40 conforming to EN/IEC 60529
Shock Resistance	10 gnin operation 10 gnot operating
Pollution Degree	3

Contractual warranty

Warranty	18 months
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