

# Product datasheet

Specifications



## universal plug-in relay - Harmony RUM - 2 C/O - 48 V DC - 10 A

RUMF2AB1ED

⚠ Discontinued on: 01-Nov-2020

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### Main

Range Of Product	Harmony Relay
Series Name	Universal
Product Or Component Type	Plug-in relay
Device Short Name	RUM
Contacts Type And Composition	2 C/O
[Uc] Control Circuit Voltage	48 V DC
[Ithe] Conventional Enclosed Thermal Current	10 A at -40...55 °C
Status Led	Without
Control Type	Lockable test button
Utilisation Coefficient	20 %

### Complementary

Shape Of Pin	Flat
[Ui] Rated Insulation Voltage	250 V conforming to IEC 300 V conforming to CSA 300 V conforming to UL
[Uimp] Rated Impulse Withstand Voltage	4 kV
Contacts Material	AgNi
[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
Minimum Switching Current	10 mA
Maximum Switching Voltage	250 V AC conforming to IEC 250 V DC conforming to IEC
Minimum Switching Voltage	17 V
Resistive Rated Load	10 A at 250 V AC 10 A at 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

<b>Electrical Durability</b>	100000 cycles for resistive load
<b>Average Coil Consumption In W</b>	1.4 W
<b>Drop-Out Voltage Threshold</b>	>= 0.1 U <sub>c</sub> DC
<b>Operate Time</b>	20 ms
<b>Average Coil Resistance</b>	1800 Ohm at 20 °C +/- 10 %
<b>Rated Operational Voltage Limits</b>	38.4...52.8 V DC
<b>Protection Category</b>	RT I
<b>Safety Reliability Data</b>	B10d = 100000
<b>Operating Position</b>	Any position
<b>Net Weight</b>	0.08 kg

## Environment

<b>Dielectric Strength</b>	1500 V AC between contacts 1550 V AC between coil and contact 1550 V AC between poles
<b>Product Certifications</b>	CSA UL GOST
<b>Standards</b>	UL 508 CSA C22.2 No 14 EN/IEC 61810-1
<b>Ambient Air Temperature For Storage</b>	-40...85 °C
<b>Ambient Air Temperature For Operation</b>	-40...55 °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>Ip Degree Of Protection</b>	IP40 conforming to EN/IEC 60529
<b>Shock Resistance</b>	10 gn for in operation 10 gn for not operating
<b>Pollution Degree</b>	3

## Contractual warranty

<b>Warranty</b>	18 months
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