

Product data sheet

Specifications



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

RUMF3AB3ED

! Discontinued

! Discontinued on: Oct 31, 2014

! End-of-service on: Dec 31, 2014

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	48 V DC
[Ithe] Conventional Enclosed Thermal Current	10 A -40...131 °F (-40...55 °C)
Status Led	With
Control Type	Without push-button
Utilisation Coefficient	20 %

Complementary

Shape Of Pin	Flat
[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) 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 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

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

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	1800 Ohm 20 °C +/- 10 %
Rated Operational Voltage Limits	38.4...52.8 V DC
Protection Category	RT I
Safety Reliability Data	B10d = 100000
Operating Position	Any position

Environment

Dielectric Strength	1500 V AC between contacts 1550 V AC between coil and contact 1550 V AC between poles
Product Certifications	UL GOST CSA
Standards	CSA C22.2 No 14 UL 508 EN/IEC 61810-1
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 gnnot operating
Pollution Degree	3

Ordering and shipping details

Category	21127-ZELIO ICE CUBE RELAYS
Discount Schedule	CP2
Gtin	00785901939719
Returnability	No
Country Of Origin	CN

Contractual warranty

Warranty	18 months
----------	-----------