Product datasheet

Specifications

universal plug-in relay - Harmony RUM - 3 C/O - 24 V DC - 3 A - with LED

RUMC3GB3BD

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
Contact operation	Low level
[Uc] control circuit voltage	24 V DC
Contacts type and composition	3 C/O
status LED	With
Control type	Without push-button
[Ithe] conventional enclosed thermal current	3 A at -40…55 °C

Complementary

[Uimp] rated impulse withstand voltage	4 kV
minimum switching current	3 mA
Minimum switching voltage	5 V
Minimum switching capacity	15 mW
Electrical durability	100000 cycles for resistive load
Operating time	20 ms
Rated operational voltage limits	19.2...26.4 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	>= 0.1 Uc DC
[Ie] rated operational current	2 A AC-1/DC-1 (NO) conforming to IEC 3 A AC-1/DC-1 conforming to UL 1 A AC-1/DC-1 (NC) conforming to IEC
Average resistance	470 Ohm at 20 °C +/- 10 %
Maximum switching capacity	750 VA AC 84 W DC
Mechanical durability	5000000 cycles
Safety reliability data	B10d = 100000

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	Gold plated bifurcated silver
Shape of pin	Cylindrical
Net weight	0.086 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 EN/IEC 61810-1 UL 508
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

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 >

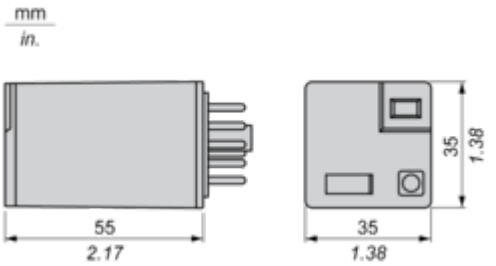
Use Longer

Lifetime extension

Repair	No

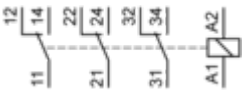
Dimensions Drawings

Dimensions

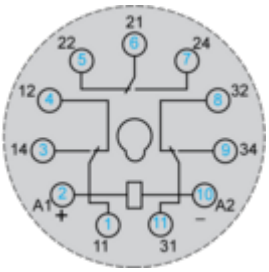


Connections and Schema

Wiring Diagram



Wiring Diagram

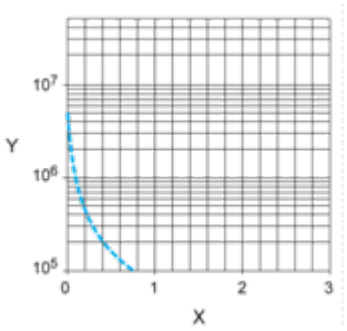


Symbols shown in blue correspond to Nema marking.

Performance Curves

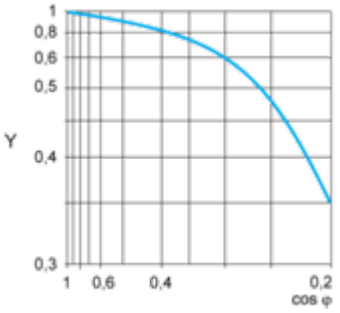
Electrical Durability of Contacts

Durability (inductive load) = durability (resistive load) x reduction coefficient.
Resistive AC load



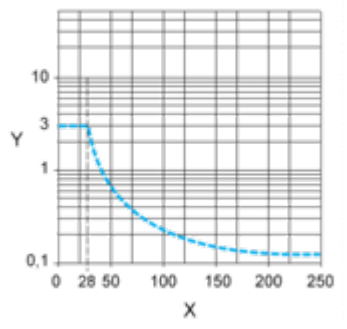
X Switching capacity (kVA)
Y Durability (Number of operating cycles)

Reduction coefficient for inductive AC load (depending on power factor cos ϕ)



Y Reduction coefficient (A)

Maximum switching capacity on resistive DC load



X Voltage DC
Y Current DC
Note : These are typical curves, actual durability depends on load, environment, duty cycle, etc.