

# Product data sheet

Specifications



## universal plug-in relay - Harmony RUM - 3 C/O - 230 V AC - 3 A - with LED

RUMC3GB2P7

⚠ Discontinued on: Oct 31, 2014

⚠ End-of-service on: Jan 22, 2021

⚠ 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                 | 230 V AC                       |
| Contacts type and composition                | 3 C/O                          |
| status LED                                   | With                           |
| Control type                                 | Lockable test button           |
| [Ithe] conventional enclosed thermal current | 3 A -40...131 °F (-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 resistive                                          |
| Average coil consumption in VA         | 2...3 60 Hz                                                      |
| Operating time                         | 20 ms                                                            |
| Rated operational voltage limits       | 184...253 V AC                                                   |
| [Ui] rated insulation voltage          | 250 V IEC<br>300 V CSA<br>300 V UL                               |
| Maximum switching voltage              | 250 V AC IEC<br>250 V DC IEC                                     |
| Drop-out voltage threshold             | $\geq 0.15 U_c$ AC                                               |
| [Ie] rated operational current         | 2 A AC-1/DC-1 NO)IEC<br>3 A AC-1/DC-1 UL<br>1 A AC-1/DC-1 NC)IEC |
| Average resistance                     | 7200 Ohm 20 °C +/- 15 %                                          |
| Maximum switching capacity             | 750 VA AC<br>84 W DC                                             |
| 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

|                         |                                                                                             |
|-------------------------|---------------------------------------------------------------------------------------------|
| Safety reliability data | B10d = 100000                                                                               |
| Operating rate          | <= 18000 cycles/hour no-load<br><= 1200 cycles/hour under load                              |
| Utilisation coefficient | 20 %                                                                                        |
| Compatibility code      | RUM                                                                                         |
| Dielectric strength     | 1500 V AC between contacts<br>1550 V AC between coil and contact<br>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              | 0.190 lb(US) (0.086 kg)                                                                     |

## Environment

|                                       |                                                                                                                                           |
|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| Ambient air temperature for operation | -40...131 °F (-40...55 °C)                                                                                                                |
| IP degree of protection               | IP40 conforming to EN/IEC 60529                                                                                                           |
| Standards                             | UL 508<br>CSA C22.2 No 14<br>EN/IEC 61810-1                                                                                               |
| Product certifications                | GOST<br>UL<br>CSA                                                                                                                         |
| Ambient air temperature for storage   | -40...185 °F (-40...85 °C)                                                                                                                |
| Vibration resistance                  | 3 gn +/- 1 mm 10...150 Hz)10 cycles in operation EN/IEC 60068-2-27<br>4 gn +/- 1 mm 10...150 Hz)10 cycles not operating EN/IEC 60068-2-27 |
| Shock resistance                      | 10 gnin operation<br>10 gnnot 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 >](#)

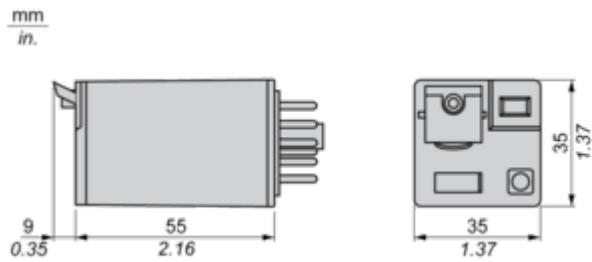
[How we assess product sustainability >](#)

### Use Longer

| Lifetime extension |    |
|--------------------|----|
| Repair             | No |

Dimensions Drawings

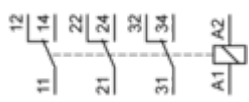
Dimensions



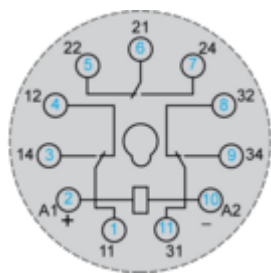
Connections and Schema

Wiring Diagram

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Wiring Diagram

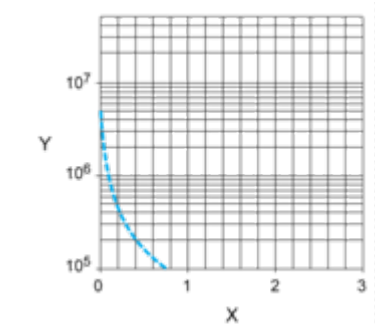


Symbols shown in blue correspond to Nema marking.

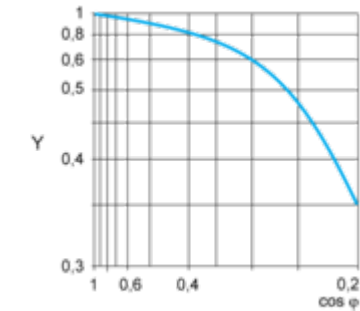
Performance Curves

Electrical Durability of Contacts

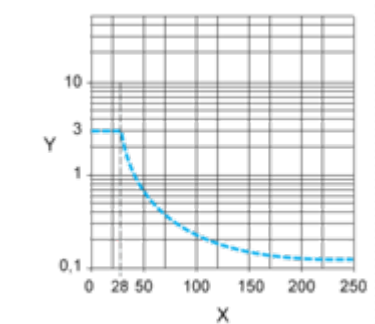
Durability (inductive load) = durability (resistive load) x reduction coefficient.  
Resistive AC load



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.