

# Product data sheet

Specifications



## Harmony, Universal plug-in relay, 10 A, 3 CO, with lockable test button, 24 V AC

RUMC31B7

### Main

|                                              |                                  |
|----------------------------------------------|----------------------------------|
| Range of product                             | Harmony Electromechanical Relays |
| 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                 | 24 V AC 50/60 Hz                 |
| [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                           | Cylindrical                                                                                                                                                                                                                                                                                                                              |
| [Ui] rated insulation voltage          | 250 V conforming to IEC<br>300 V conforming to CSA<br>300 V conforming to UL                                                                                                                                                                                                                                                             |
| [Uimp] rated impulse withstand voltage | 4 kV (1.2/50 µs)                                                                                                                                                                                                                                                                                                                         |
| Contacts material                      | AgNi                                                                                                                                                                                                                                                                                                                                     |
| [Ie] rated operational current         | 10 A at 277 V AC conforming to UL<br>10 A at 30 V DC conforming to UL<br>10 A at 277 V AC (same polarity) conforming to CSA<br>10 A at 30 V DC conforming to CSA<br>5 A at 250 V AC (NC) conforming to IEC<br>5 A at 28 V DC (NC) conforming to IEC<br>10 A at 250 V AC (NO) conforming to IEC<br>10 A at 28 V DC (NO) conforming to IEC |
| Maximum switching voltage              | 250 V conforming to IEC                                                                                                                                                                                                                                                                                                                  |
| Resistive rated load                   | 10 A at 250 V AC<br>10 A at 28 V DC                                                                                                                                                                                                                                                                                                      |
| Maximum switching capacity             | 2500 VA/280 W                                                                                                                                                                                                                                                                                                                            |
| Minimum switching capacity             | 170 mW at 10 mA, 17 V                                                                                                                                                                                                                                                                                                                    |
| Operating rate                         | <= 18000 cycles/hour no-load<br><= 1200 cycles/hour under load                                                                                                                                                                                                                                                                           |
| Mechanical durability                  | 5000000 cycles                                                                                                                                                                                                                                                                                                                           |