

# Lembar data produk

Spesifikasi



## power plug-in relay - Zelio RPM - 3 C/O - 230 V AC - 15 A

RPM31P7

⚠ Telah dihentikan pada: 13 Jan 2023

⚠ Dihentikan

### Main

|                                              |                                  |
|----------------------------------------------|----------------------------------|
| Range Of Product                             | Harmony Electromechanical Relays |
| Series Name                                  | Power                            |
| Product Or Component Type                    | Plug-in relay                    |
| Device Short Name                            | RPM                              |
| Contacts Type And Composition                | 3 C/O                            |
| [Uc] Control Circuit Voltage                 | 230 V AC 50/60 Hz                |
| [Ithe] Conventional Enclosed Thermal Current | 15 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<br>300 V conforming to CSA<br>300 V conforming to UL                                                                                                                                                                          |
| [Uimp] Rated Impulse Withstand Voltage | 4 kV during 1.2/50 µs                                                                                                                                                                                                                                 |
| Contacts Material                      | AgNi                                                                                                                                                                                                                                                  |
| [Ie] Rated Operational Current         | 15 A at 277 V (AC) conforming to UL<br>15 A at 28 V (DC) conforming to UL<br>15 A at 250 V (AC) NO conforming to IEC<br>15 A at 28 V (DC) NO conforming to IEC<br>7.5 A at 250 V (AC) NC conforming to IEC<br>7.5 A at 28 V (DC) NC conforming to IEC |
| Maximum Switching Voltage              | 250 V conforming to IEC                                                                                                                                                                                                                               |
| Resistive Load Current                 | 15 A at 250 V AC<br>15 A at 28 V DC                                                                                                                                                                                                                   |
| Maximum Switching Capacity             | 3750 VA<br>420 W                                                                                                                                                                                                                                      |
| Minimum Switching Capacity             | 170 mW at 10 mA, 17 V                                                                                                                                                                                                                                 |
| Operating Rate                         | <= 1200 cycles/hour under load<br><= 18000 cycles/hour no-load                                                                                                                                                                                        |
| Mechanical Durability                  | 10000000 cycles                                                                                                                                                                                                                                       |
| Electrical Durability                  | 100000 cycles for resistive load                                                                                                                                                                                                                      |
| Average Coil Consumption In Va         | 1.7 at 60 Hz                                                                                                                                                                                                                                          |

Disklaimer: Dokumentasi ini tidak ditujukan sebagai pengganti dan tidak untuk digunakan untuk menentukan kesesuaian atau keandalan produk ini untuk aplikasi pengguna

|                                  |                            |
|----------------------------------|----------------------------|
| Drop-Out Voltage Threshold       | >= 0.15 Uc AC              |
| Operate Time                     | 20 ms at nominal voltage   |
| Release Time                     | 20 ms at nominal voltage   |
| Average Coil Resistance          | 9600 Ohm at 20 °C +/- 15 % |
| Rated Operational Voltage Limits | 184...253 V AC             |
| Protection Category              | RT I                       |
| Test Levels                      | Level A group mounting     |
| Operating Position               | Any position               |
| Pollution Degree                 | 3                          |
| Safety Reliability Data          | B10d = 100000              |
| Net Weight                       | 0.054 kg                   |
| Device Presentation              | Complete product           |

## Environment

|                                       |                                                                                                                                                 |
|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| Dielectric Strength                   | 1500 V AC between contacts with micro disconnection<br>2000 V AC between coil and contact with reinforced<br>2000 V AC between poles with basic |
| Standards                             | EN/IEC 61810-1<br>UL 508<br>CSA C22.2 No 14                                                                                                     |
| Product Certifications                | CSA<br>EAC<br>UL                                                                                                                                |
| Ambient Air Temperature For Storage   | -40...85 °C                                                                                                                                     |
| Ambient Air Temperature For Operation | -40...55 °C                                                                                                                                     |
| Vibration Resistance                  | 3 gn, amplitude = +/- 1 mm (f = 10...150 Hz)5 cycles in operation<br>5 gn, amplitude = +/- 1 mm (f = 10...150 Hz)5 cycles not operating         |
| Degree Of Protection (Housing Only)   | IP40 conforming to EN/IEC 60529                                                                                                                 |
| Shock Resistance                      | 15 gn for in operation<br>30 gn for not operating                                                                                               |

## Packing Units

|                              |         |
|------------------------------|---------|
| Unit Type Of Package 1       | PCE     |
| Number Of Units In Package 1 | 1       |
| Package 1 Height             | 3 cm    |
| Package 1 Width              | 3.3 cm  |
| Package 1 Length             | 5 cm    |
| Package 1 Weight             | 54 g    |
| Unit Type Of Package 2       | CAR     |
| Number Of Units In Package 2 | 10      |
| Package 2 Height             | 3 cm    |
| Package 2 Width              | 10.5 cm |
| Package 2 Length             | 18 cm   |
| Package 2 Weight             | 572 g   |
| Unit Type Of Package 3       | S01     |

|                              |          |
|------------------------------|----------|
| Number Of Units In Package 3 | 80       |
| Package 3 Height             | 15 cm    |
| Package 3 Width              | 15 cm    |
| Package 3 Length             | 40 cm    |
| Package 3 Weight             | 4.801 kg |

## Contractual warranty

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

Keberlanjutan



**Green Premium™** label adalah komitmen Schneider Electric untuk memberikan produk dengan performa lingkungan terbaik di kelasnya. Green Premium menjanjikan kepatuhan pada peraturan terbaru, transparansi pada dampak lingkungan, serta produk melingkar dan rendah CO<sub>2</sub>.

**Panduan untuk menilai keberlanjutan produk** adalah laporan resmi yang menjelaskan standar label lingkungan global dan bagaimana menafsirkan deklarasi lingkungan.

[Pelajari lebih lanjut tentang Green Premium >](#)

[Panduan untuk menilai keberlanjutan produk >](#)



Transparansi   RoHS/REACH

## Kinerja kesejahteraan

✓

Reach Free Of Svhc

✓

RoHS Exemption Information

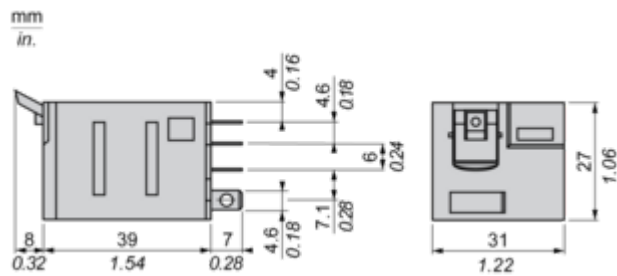
Yes

## Sertifikasi & Standar

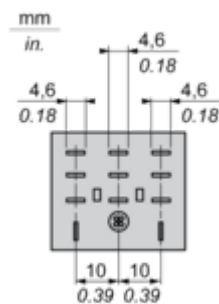
|                          |                                                                                                                             |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Reach Regulation         | <a href="#">REACH Declaration</a>                                                                                           |
| Eu RoHS Directive        | Pro-active compliance (Product out of EU RoHS legal scope)<br><a href="#">EU RoHS Declaration</a>                           |
| China RoHS Regulation    | <a href="#">China RoHS declaration</a>                                                                                      |
| Environmental Disclosure | <a href="#">Product Environmental Profile</a>                                                                               |
| Weee                     | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |
| Circularity Profile      | No need of specific recycling operations                                                                                    |

Dimensions Drawings

Dimensions

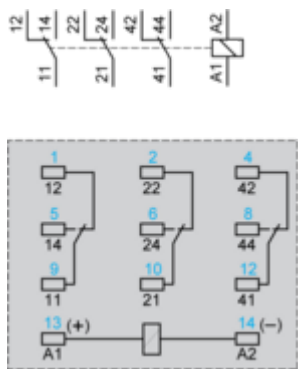


Pin Side View



Connections and Schema

Wiring Diagram



Symbols shown in blue correspond to Nema marking.

Performance Curves

Electrical Durability of Contacts

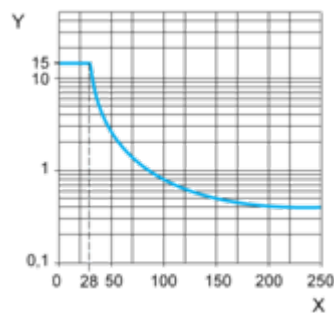
Durability (inductive load) = durability (resistive load) x reduction coefficient.  
Resistive AC load



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.