

# RPM32ED

power plug-in relay - Zelio RPM - 3 C/O - 48 V DC  
- 15 A - with LED



## Main

|  |                      |
|--|----------------------|
| Range of product                             | Zelio Relay          |
| 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                 | 48 V DC              |
| [Ithe] conventional enclosed thermal current | 15 A at -40...55 °C  |
| Status LED                                   | With                 |
| 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 UL<br>300 V conforming to CSA  |
| [Uimp] rated impulse withstand voltage | 4 kV for 1.2/50 µs  |
| Contacts material                      | AgNi  |
| [Ie] rated operational current         | 15 A at 277 V AC conforming to UL<br>7.5 A at 28 V DC (NC) conforming to IEC<br>15 A at 250 V AC (NO) conforming to IEC<br>7.5 A at 250 V AC (NC) conforming to IEC<br>15 A at 28 V DC (NO) conforming to IEC<br>15 A at 28 V DC conforming to UL |
| Maximum switching voltage              | 250 V conforming to IEC   |
| 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                   | <= 18000 cycles/hour no-load<br><= 1200 cycles/hour under load |
| Mechanical durability            | 10000000 cycles  |
| Electrical durability            | 100000 cycles for resistive load                               |
| Average coil consumption         | 1.5 W  |
| Drop-out voltage threshold       | >= 0.1 U <sub>c</sub> DC                                       |
| Operating time                   | 20 ms at nominal voltage                                       |
| Reset time                       | 20 ms at nominal voltage                                       |
| Rated operational voltage limits | 38.4...52.8 V DC   |
| Protection category              | RT I   |
| Operating position               | Any position   |
| Safety reliability data          | B10d = 100000  |
| Product weight                   | 0.054 kg   |
| Device presentation              | Complete product   |

## Environment

|                                       |  |
|---------------------------------------|--|
| Dielectric strength                   | 2000 V AC between coil and contact with reinforced insulation<br>2000 V AC between poles with basic insulation<br>1500 V AC between contacts with micro disconnection insulation |
| Standards                             | CSA C22.2 No 14<br>EN/IEC 61810-1<br>UL 508  |
| Product certifications                | EAC<br>RoHS<br>UL<br>CSA<br>REACH  |
| Ambient air temperature for storage   | -40...85 °C  |
| Ambient air temperature for operation | -40...55 °C  |
| Vibration resistance                  | 3 gn (f = 10...150 Hz), amplitude +/- 1 mm (on 5 cycles in operation)<br>5 gn (f = 10...150 Hz), amplitude +/- 1 mm (on 5 cycles not operating)                                  |
| IP degree of protection               | IP40 conforming to EN/IEC 60529  |
| Shock resistance                      | 30 gn not operating<br>15 gn in operation  |
| Pollution degree                      | 3  |

## Contractual warranty

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