



## Main

|                                              |                           |
|----------------------------------------------|---------------------------|
| Range of product                             | Zelio Relay               |
| Product or component type                    | Plug-in relay             |
| Device short name                            | RHN                       |
| Contacts type and composition                | 4 C/O                     |
| Contact operation                            | Instantaneous<br>Standard |
| [Uc] control circuit voltage                 | 24 V DC                   |
| [Ithe] conventional enclosed thermal current | 5 A 104 °F (40 °C)        |
| Status LED                                   | Without                   |
| Control type                                 | Manual control            |
| Coil interference suppression                | Without                   |

## Complementary

|                                |                                                                                                                                                                                                                                                         |
|--------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| [Ui] rated insulation voltage  | 250 V                                                                                                                                                                                                                                                   |
| Test levels                    | Level A                                                                                                                                                                                                                                                 |
| Operating position             | Any position                                                                                                                                                                                                                                            |
| Minimum switching capacity     | 150 mVA 10 mA<br>150 mVA, 1 V                                                                                                                                                                                                                           |
| Contact bounce time            | <= 10 ms                                                                                                                                                                                                                                                |
| Maximum voltage drop           | <100 V for 3 A at 24 V                                                                                                                                                                                                                                  |
| Average resistance             | 30 mOhm 68 °F (20 °C)                                                                                                                                                                                                                                   |
| Average coil consumption       | 1.6 W 68 °F (20 °C)                                                                                                                                                                                                                                     |
| Control circuit voltage limits | 0.8...1.1 Uc IEC 60255                                                                                                                                                                                                                                  |
| Drop-out voltage threshold     | 0.1...0.3 Uc                                                                                                                                                                                                                                            |
| Time constant                  | 12 Ms open<br>15 ms closed                                                                                                                                                                                                                              |
| Mechanical durability          | 20000000 cycles                                                                                                                                                                                                                                         |
| Maximum operating rate         | 6 cyc/mn                                                                                                                                                                                                                                                |
| Operating time                 | 1...4 ms energisation/de-energisation<br>1.2...4 ms de-energisation/energisation<br>10...20 ms between energisation of coil and closing of NO contact 68 °F (20 °C)<br>2...7 ms between de-energisation of coil and closing of NC contact 68 °F (20 °C) |
| CAD overall width              | 1.30 in (33 mm)                                                                                                                                                                                                                                         |
| CAD overall height             | 1.69 in (43 mm)                                                                                                                                                                                                                                         |
| CAD overall depth              | 2.13 in (54 mm)                                                                                                                                                                                                                                         |
| Terminals description ISO n°1  | (11-12-14)OC<br>(21-22-24)OC<br>(41-42-44)OC<br>(31-32-34)OC<br>(A1-A2)CO                                                                                                                                                                               |
| Net Weight                     | 0.20 lb(US) (0.09 kg)                                                                                                                                                                                                                                   |
| Compatibility code             | RHN                                                                                                                                                                                                                                                     |

## Environment

|                                       |                                                              |
|---------------------------------------|--------------------------------------------------------------|
| Standards                             | NF C 45-250<br>VDE 0435<br>IEC 60255<br>BS 4794              |
| Product certifications                | USSR<br>BV<br>CSA<br>EDF<br>ASE<br>UR                        |
| Protective treatment                  | TC                                                           |
| Dielectric strength                   | 2500 V                                                       |
| Ambient air temperature for operation | 23...104 °F (-5...40 °C) IEC 60255                           |
| Ambient air temperature for storage   | -40...158 °F (-40...70 °C)                                   |
| Vibration resistance                  | 6 gn 10...55 Hz)IEC 60068-2-6<br>6 gn 10...55 Hz)NF C 20-616 |
| Shock resistance                      | 50 gn 11 ms NF C 20-608                                      |

## Ordering and shipping details

|                       |                                |
|-----------------------|--------------------------------|
| Category              | 18073 - SPARE PARTS DISCOUNT I |
| Discount Schedule     | CP2                            |
| GTIN                  | 00785901162902                 |
| Nbr. of units in pkg. | 1                              |
| Package weight(Lbs)   | 0.21 lb(US) (0.10 kg)          |
| Returnability         | Yes                            |
| Country of origin     | FR                             |

## Packing Units

|                              |                         |
|------------------------------|-------------------------|
| Unit Type of Package 1       | PCE                     |
| Package 1 Height             | 2.05 in (5.2 cm)        |
| Package 1 width              | 2.17 in (5.5 cm)        |
| Package 1 Length             | 3.07 in (7.8 cm)        |
| Unit Type of Package 2       | S02                     |
| Number of Units in Package 2 | 55                      |
| Package 2 Weight             | 12.40 lb(US) (5.625 kg) |
| Package 2 Height             | 5.91 in (15 cm)         |
| Package 2 width              | 11.81 in (30 cm)        |
| Package 2 Length             | 15.75 in (40 cm)        |

## Offer Sustainability

|                            |                                                                                                                              |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------|
| EU RoHS Directive          | Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a>                               |
| Toxic heavy metal free     | Yes                                                                                                                          |
| Mercury free               | Yes                                                                                                                          |
| RoHS exemption information | <a href="#">Yes</a>                                                                                                          |
| China RoHS Regulation      | <a href="#">China RoHS Declaration</a>                                                                                       |
| Environmental Disclosure   | <a href="#">Product Environmental Profile</a>                                                                                |
| Circularity Profile        | <a href="#">End Of Life Information</a>                                                                                      |
| WEEE                       | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins. |

## Contractual warranty

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