



## Main

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|--|---|
| Range of product                             | Zelio Relay   |
| Series name                                  | Power   |
| Product or component type                    | Plug-in relay   |
| Device short name                            | RPF   |
| Contacts type and composition                | 2 C/O   |
| [Uc] control circuit voltage                 | 24 V DC   |
| Control type                                 | Without lockable test button  |
| Shape of pin                                 | Flat  |
| Contacts material                            | Silver tin oxide  |
| [Ithe] conventional enclosed thermal current | 25 Aat -40...131 °F (-40...55 °C)for relays side by side without a gap<br>30 Aat -40...131 °F (-40...55 °C)for 13 mm gap between two relays |
| Load current                                 | 25 Aat 28 V DC<br>30 Aat 250 V AC   |
| Utilisation coefficient                      | 10 %  |

## Complementary

|  |  |
|--|--|
| Mounting support                       | DIN rail<br>Panel  |
| Control circuit voltage limits         | 19.2...26.4 V  |
| [Ie] rated operational current         | 30 Aat 250 V AC (for NO) conforming to IEC<br>30 Aat 277 V AC (for NO) conforming to UL<br>20 Aat 28 V DC (for NO) conforming to UL<br>3 Aat 250 V AC (for NC) conforming to IEC<br>3 Aat 28 V DC (for NC) conforming to IEC<br>3 Aat 277 V AC (for NC) conforming to UL<br>3 Aat 28 V DC (for NC) conforming to UL<br>25 Aat 28 V DC (for NO) conforming to IEC |
| [Ui] rated insulation voltage          | 250 V conforming to IEC<br>300 V conforming to UL  |
| [Uimp] rated impulse withstand voltage | 4 kV 1.2/50 µs   |

|                            |  |
|----------------------------|--|
| Maximum switching voltage  | 250 V conforming to IEC  |
| Maximum switching capacity | 7500 VA/700 W  |
| Minimum switching capacity | 6000 mW (500 mA/ 12 V)for NO<br>170 mW (10 mA/ 6 V)for NC      |
| Operating rate             | <= 18000 cycles/hour no-load<br><= 1200 cycles/hour under load |
| Mechanical durability      | 5000000 cycles   |
| Electrical durability      | 100000 cycles resistive load                                   |
| Average consumption        | 1.7 W  |
| Drop-out voltage threshold | >= 0.1 U <sub>c</sub>  |
| Operating time             | 25 ms  |
| Reset time                 | 25 ms  |
| Average resistance         | 350 Ohm (tolerance +/- 10 %)at 68 °F (20 °C)                   |
| Safety reliability data    | B10d = 100000  |
| Protection category        | RT II  |
| Operating position         | Any position   |
| Product weight             | 0.18 lb(US) (0.082 kg)   |
| Device presentation        | Complete product   |

## Environment

|                                       |  |
|---------------------------------------|--|
| Dielectric strength                   | 2000 V AC between poles with basic insulation<br>1500 V AC between contacts with micro disconnection insulation<br>4000 V AC between coil and contact with reinforced insulation |
| Standards                             | CSA C22.2 No 14<br>UL 508<br>EN/IEC 61810-1  |
| Product certifications                | GOST<br>CE<br>UL<br>CSA  |
| Ambient air temperature for storage   | -40...185 °F (-40...85 °C)   |
| Ambient air temperature for operation | -40...131 °F (-40...55 °C)   |
| Vibration resistance                  | 3 gn (+/- 1 mm, f = 10...150 Hz) 5 cycles in operation<br>10 gn (+/- 1 mm, f = 10...150 Hz) 5 cycles not operating   |
| IP degree of protection               | IP40 conforming to EN/IEC 60529  |
| Shock resistance                      | 10 gn in operation<br>30 gn not operating  |
| Pollution degree                      | 3  |

## Ordering and shipping details

|                       |                               |
|-----------------------|-------------------------------|
| Category              | 21127 - ZELIO ICE CUBE RELAYS |
| Discount Schedule     | CP2                           |
| GTIN                  | 00785901889779                |
| Nbr. of units in pkg. | 10                            |
| Package weight(Lbs)   | 0.19                          |
| Returnability         | Y                             |
| Country of origin     | CN                            |

## Offer Sustainability

|                               |   |
|-------------------------------|---|
| Sustainable offer status      | Green Premium product   |
| RoHS (date code: YYWW)        | Compliant - since 0801 - Schneider Electric declaration of conformity<br><a href="#">Schneider Electric declaration of conformity</a> |
| REACH                         | Reference not containing SVHC above the threshold<br><a href="#">Reference not containing SVHC above the threshold</a>                |
| Product environmental profile | Available   |

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| Product end of life instructions | Need no specific recycling operations |
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### Contractual warranty

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| Warranty period | 18 months |
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