

Product availability: Stock - Normally stocked in distribution facility

Price\*: 7.69 USD



## 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                | 2 C/O                            |
| [Uc] control circuit voltage                 | 24 V DC                          |
| [Ithe] conventional enclosed thermal current | 15 A -40...131 °F (-40...55 °C)  |
| Status LED                                   | With                             |
| Control type                                 | Without lockable test button     |
| Utilisation coefficient                      | 20 %                             |

## Complementary

|                                        |                                                                                                                                           |
|----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| Shape of pin                           | Flat                                                                                                                                      |
| [Ui] rated insulation voltage          | 250 V IEC<br>300 V CSA<br>300 V UL                                                                                                        |
| [Uimp] rated impulse withstand voltage | 4 KV 1.2/50 µs                                                                                                                            |
| Contacts material                      | AgNi                                                                                                                                      |
| [Ie] rated operational current         | 15 A 277 V AC) UL<br>15 A 28 V DC) UL<br>15 A 250 V AC) NO IEC<br>15 A 28 V DC) NO IEC<br>7.5 A 250 V AC) NC IEC<br>7.5 A 28 V DC) NC IEC |
| Maximum switching voltage              | 250 V IEC                                                                                                                                 |
| Load current                           | 15 A 250 V AC<br>15 A 28 V DC                                                                                                             |
| Maximum switching capacity             | 3750 VA<br>420 W                                                                                                                          |
| Minimum switching capacity             | 170 mW 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 resistive           |
| Average coil consumption         | 0.85 W                            |
| Drop-out voltage threshold       | >= 0.1 Uc DC                      |
| Operating time                   | 20 ms at nominal voltage          |
| Reset time                       | 20 Ms at nominal voltage          |
| Average resistance               | 640 Ohm at 68 °F (20 °C) +/- 10 % |
| Rated operational voltage limits | 19.2...26.4 V DC                  |
| Protection category              | RT I                              |
| Test levels                      | Level A                           |
| Operating position               | Any position                      |
| Pollution degree                 | 3                                 |
| Safety reliability data          | B10d = 100000                     |
| Net weight                       | 0.08 Lb(US) (0.036 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                             | UL 508<br>CSA C22.2 No 14<br>EN/IEC 61810-1                                                                                                     |
| Product certifications                | EAC<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 10...150 Hz)5 cycles in operation<br>5 gn +/- 1 mm 10...150 Hz)5 cycles not operating                                             |
| IP degree of protection               | IP40 conforming to EN/IEC 60529                                                                                                                 |
| Shock resistance                      | 15 gn in operation<br>30 gn not operating                                                                                                       |

## Ordering and shipping details

|                       |                               |
|-----------------------|-------------------------------|
| Category              | 21127 - ZELIO ICE CUBE RELAYS |
| Discount Schedule     | CP2                           |
| GTIN                  | 03389119217989                |
| Nbr. of units in pkg. | 1                             |
| Package weight(Lbs)   | 1.27 Oz (36 g)                |
| Returnability         | Yes                           |
| Country of origin     | CN                            |

## Packing Units

|                        |                  |
|------------------------|------------------|
| Unit Type of Package 1 | PCE              |
| Package 1 Height       | 1.06 In (2.7 cm) |
| Package 1 width        | 0.83 In (2.1 cm) |
| Package 1 Length       | 1.54 In (3.9 cm) |

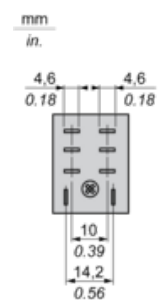
## Offer Sustainability

|                            |                                                                                                                                                                                                                                                                                                                                                                        |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sustainable offer status   | Green Premium product                                                                                                                                                                                                                                                                                                                                                  |
| California proposition 65  | WARNING: This product can expose you to chemicals including: Nickel compounds, which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a> |
| REACH Regulation           | <a href="#">REACH Declaration</a>                                                                                                                                                                                                                                                                                                                                      |
| REACH free of SVHC         | Yes                                                                                                                                                                                                                                                                                                                                                                    |
| 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>                                                                                                                                                                                                                                                                                                                          |
| WEEE                       | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.                                                                                                                                                                                                                                           |

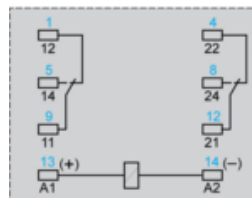
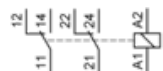
## Contractual warranty

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

### Pin Side View



## Wiring Diagram

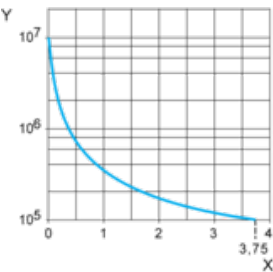


Symbols shown in blue correspond to Nema marking.

Electrical Durability of Contacts

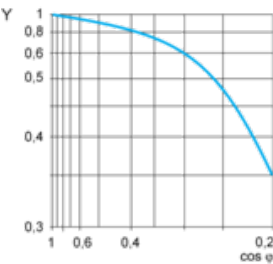
Durability (inductive load) = durability (resistive load) x reduction coefficient.

Resistive AC load



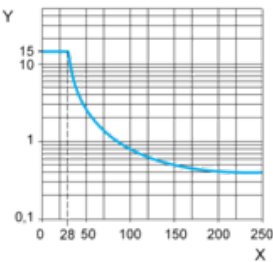
X Switching capacity (kVA)  
Y Durability (Number of operating cycles)

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.

Product Life Status :

Commercialised