

## Main

|  |                                  |
|--|----------------------------------|
| Range of Product                             | Harmony Electromechanical Relays |
| Series name                                  | Slim interface relay             |
| Product or Component Type                    | Plug-in relay                    |
| Device short name                            | RSL                              |
| Contacts type and composition                | 1 C/O                            |
| Contact operation                            | Low level                        |
| [Uc] control circuit voltage                 | 12 V DC                          |
| [Ithe] conventional enclosed thermal current | 6 A -40...131 °F (-40...55 °C)   |
| Status LED                                   | Without                          |
| Control Type                                 | Without push-button              |

## Complementary

|  |   |
|--|---|
| Shape of pin                           | Flat (PCB type)   |
| Average resistance                     | 848 Ohm at 73 °F (23 °C) +/- 10 %                             |
| Rated operational voltage limits       | 9...16.8 V DC   |
| [Ui] rated insulation voltage          | 250 V EN/IEC<br>277 V cUL                                     |
| [Uimp] rated impulse withstand voltage | 6 KV IEC  |
| Contacts material                      | Silver alloy - gold plated (AgSnO2)                           |
| [Ie] rated operational current         | 6 A AC-1/(DC-1)IEC/UL   |
| Minimum switching current              | 1 MA  |
| Maximum switching voltage              | 277 V   |
| Switching voltage                      | 24 V  |
| Maximum switching capacity             | 1500 VA<br>50 W   |
| Minimum switching capacity             | 24 mW   |
| Operating rate                         | <= 360 cycles/hour under load<br><= 18000 cycles/hour no-load |
| Mechanical durability                  | 10000000 Cycles   |
| Electrical durability                  | 60000 Cycles, 6 A at 250 V, AC-1 C/O                          |
| Operating time                         | 5 ms reset<br>12 ms   |

|                               |                                       |
|-------------------------------|---------------------------------------|
| Protection category           | RT III                                |
| Test levels                   | Level A                               |
| Operating position            | Any position                          |
| Width                         | 0.20 In (5 mm)                        |
| Height                        | 1.10 In (28 mm)                       |
| Depth                         | 0.73 In (18.5 mm)                     |
| Terminals description ISO n°1 | (11-12-14)OC<br>(A1-A2)CO             |
| Net Weight                    | 0.01 Lb(US) (0.0054 kg)               |
| Load current                  | 6 A 250 V AC 0.5 mm mounting distance |
| Average coil consumption      | 0.17 W                                |
| Drop-out voltage threshold    | >= 0.05 Uc                            |
| Safety reliability data       | B10d = 60000                          |
| Mounting Support              | Socket or PCB                         |
| Device presentation           | Complete product                      |

## Environment

|                                       |   |
|---------------------------------------|---|
| Dielectric strength                   | 1000 V AC between contacts<br>4000 V AC between coil and contact                          |
| Standards                             | CSA C22.2 No 14<br>EN/IEC 61810-1<br>UL 508   |
| Product Certifications                | UL<br>CSA<br>EAC  |
| Ambient Air Temperature for Storage   | -40...158 °F (-40...70 °C)  |
| Vibration resistance                  | +/- 1 mm 10...55 Hz)EN/IEC 60068-2-6  |
| IP degree of protection               | IP40 conforming to EN/IEC 60529   |
| Shock resistance                      | 5 gn 11 ms) not operating EN/IEC 60068-2-27<br>5 gn 11 ms) in operation EN/IEC 60068-2-27 |
| Ambient air temperature for operation | -40...131 °F (-40...55 °C)  |

## Ordering and shipping details

|                       |                               |
|-----------------------|-------------------------------|
| Category              | 21127 - ZELIO ICE CUBE RELAYS |
| Discount Schedule     | CP2                           |
| GTIN                  | 3606480077944                 |
| Nbr. of units in pkg. | 1                             |
| Package weight(Lbs)   | 0.18 Oz (5 g)                 |
| Returnability         | No                            |

## Packing Units

|                              |                        |
|------------------------------|------------------------|
| Unit Type of Package 1       | PCE                    |
| Package 1 Height             | 1.97 In (5 cm)         |
| Package 1 width              | 7.48 In (19 cm)        |
| Package 1 Length             | 11.02 In (28 cm)       |
| Unit Type of Package 2       | CAR                    |
| Number of Units in Package 2 | 10                     |
| Package 2 Weight             | 2.40 Oz (68 g)         |
| Package 2 Height             | 0.28 In (0.7 cm)       |
| Package 2 width              | 0.94 In (2.4 cm)       |
| Package 2 Length             | 12.13 In (30.8 cm)     |
| Unit Type of Package 3       | S01                    |
| Number of Units in Package 3 | 250                    |
| Package 3 Weight             | 4.24 Lb(US) (1.925 kg) |

|                  |                  |
|------------------|------------------|
| Package 3 Height | 5.91 In (15 cm)  |
| Package 3 width  | 5.91 In (15 cm)  |
| Package 3 Length | 15.75 In (40 cm) |

### Offer Sustainability

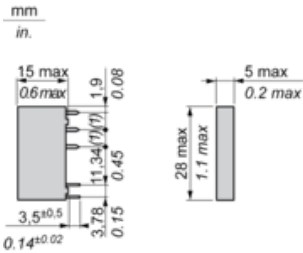
|                            |  |
|----------------------------|--|
| California proposition 65  | WARNING: This product can expose you to chemicals including: Nickel compounds, which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of 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> |
| 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>  |

### Contractual warranty

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

Dimensions

Relay with Flat Pins (PCB Type)



(1): 5.04 mm / 0.19 in.

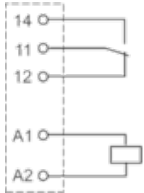
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Wiring Diagram

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Relay with Flat Pins (PCB Type)

1 C/O contact



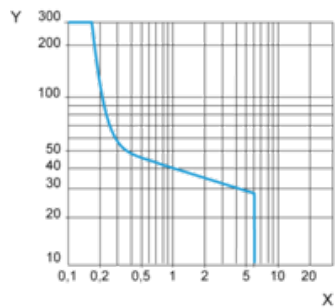
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Curves for Resistive Load

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Maximum Switching Capacity on DC Load

Resistive load

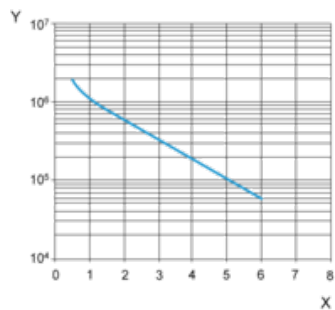


X DC Current

Y DC Voltage

Electrical Durability

Only tested at 6A/250VAC, projection for the rest  
250 Vac Resistive load



X Switching current (A)

Y Cycles

Note : These are typical curves, actual durability depends on load, environment, duty cycle, etc.

Product Life Status : **Commercialised**

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