



## Main

|                              |                       |
|------------------------------|-----------------------|
| Product Range                | Harmony               |
| Product Type                 | Power relay           |
| Switch Function              | SPDT                  |
| Contacts Material            | Silver alloy contacts |
| [Uc] Control Circuit Voltage | 12 V DC               |
| Maximum Switching Voltage    | 277 V AC<br>28 V DC   |

## Complementary

|                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|---------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Load Current                    | 30 A NO<br>20 A NC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Operating Position              | Any position                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Rated Power in VA               | 470 VA at 240 V, NO on pilot duty<br>275 VA at 240 V, NC on pilot duty                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Network Frequency               | 50-60 Hz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Rated Power in HP               | 1 Hp at 125 V AC, NO<br>2 Hp at 250 V AC, NO<br>0.25 Hp at 125 V AC, NC<br>0.5 hp at 250 V AC, NC                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Minimum Switching Capacity      | 5 W at 1 A, 5 V DC<br>12 VA at 1 A, 12 V AC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Rated Operational Current       | 30 A at 240 V AC-1 (NO)<br>20 A at 240 V AC-1 (NC)<br>30 A at 28 V DC (NO) (on resistive load)<br>10 A at 28 V DC (NC) (on resistive load)<br>22 A at 120 V AC-8a (NO) (full load)<br>98 A at 120 V AC-8a (NO) (locked rotor)<br>30 A at 240 V AC-8a (NO) (full load)<br>80 A at 240 V AC-8a (NO) (locked rotor)<br>12 A at 240 V AC-8a (NC) (full load)<br>30 A at 240 V AC-8a (NC) (locked rotor)<br>10 A at 277 V AC-8a (NC) (full load)<br>33 A at 277 V AC-8a (NC) (locked rotor)<br>10 A at 277 V AC-5a (NO) (ballast)<br>3 A at 277 V AC-5a (NC) (ballast) |
| Control Circuit Voltage Limits  | 0.8...1.1 Uc                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Average Resistance              | 155 Ohm at 73 °F (23 °C) +/- 10 %                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Connections Terminals           | Faston terminals contact terminal AWG 12...AWG 10, connection size: 6.35 x 0.8 mm<br>Faston terminals coil terminal AWG 22...AWG 14, connection size: 4.8 x 0.5 mm                                                                                                                                                                                                                                                                                                                                                                                                |
| Drop-out Voltage Threshold      | >= 0.1 Uc                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Average Coil Consumption        | 0.9 W                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Rated Impulse Withstand Voltage | 4 kV 1.2/50 µs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Electrical Durability    | 100000 Cycles, 30 A at 240 V, AC-1 NO<br>50000 Cycles for resistive load, 30 A at 28 V, DC NO<br>30000 Cycles for full load, 22 A at 120 V, AC-8a NO<br>30000 Cycles for full load, 30 A at 240 V, AC-8a NO<br>1000 Cycles for motor load NO<br>6000 Cycles for ballast load, 10 A at 277 V, AC-5a NO<br>100000 Cycles, 20 A at 240 V, AC-1 NC<br>100000 Cycles for resistive load, 10 A at 28 V, DC NC<br>30000 Cycles for full load, 12 A at 240 V, AC-8a NC<br>30000 Cycles for full load, 10 A at 277 V, AC-8a NC<br>1000 Cycles for motor load NC<br>6000 cycles for ballast load, 3 A at 277 V, AC-5a NC |
| Mechanical Durability    | 10000000 cycles                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Operate Time             | 20 ms                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Release Time             | 10 ms                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Dielectric Strength      | 2500 V AC between coil and contact<br>1500 V between contacts with micro disconnection                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Rated Insulation Voltage | 320 V                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Mounting Support         | Panel flange                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Protection Category      | RT III                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Product Weight           | 0.07 lb(US) (0.032 kg)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

## Environment

|                                         |                                                                          |
|-----------------------------------------|--------------------------------------------------------------------------|
| Shock Resistance                        | 10 gn operating<br>100 gn not operating                                  |
| Pollution Degree                        | 3                                                                        |
| Vibration Resistance                    | +/- 0.75 mm 10...55 Hz operating<br>+/- 0.75 mm 10...55 Hz not operating |
| Ambient Temperature Range - Operational | -40...104 °F (-40...40 °C)                                               |
| Ambient Temperature Range - Storage     | -40...185 °F (-40...85 °C)                                               |
| Product Certifications                  | UL                                                                       |
| Height                                  | 1.97 in (50 mm)                                                          |
| Width                                   | 1.07 in (27.3 mm)                                                        |
| Depth                                   | 1.09 in (27.8 mm)                                                        |
| Standards                               | UL 60947-4-1                                                             |

## Ordering and shipping details

|                       |                               |
|-----------------------|-------------------------------|
| Category              | 21127 - ZELIO ICE CUBE RELAYS |
| Discount Schedule     | CP2                           |
| GTIN                  | 3606489915360                 |
| Nbr. of units in pkg. | 1                             |
| Package weight(Lbs)   | 1.13 oz (32 g)                |
| Returnability         | Yes                           |
| Country of origin     | CN                            |

## Packing Units

|                        |                   |
|------------------------|-------------------|
| Unit Type of Package 1 | PCE               |
| Package 1 Height       | 1.09 in (2.78 cm) |
| Package 1 width        | 1.07 in (2.72 cm) |
| Package 1 Length       | 1.97 in (5 cm)    |

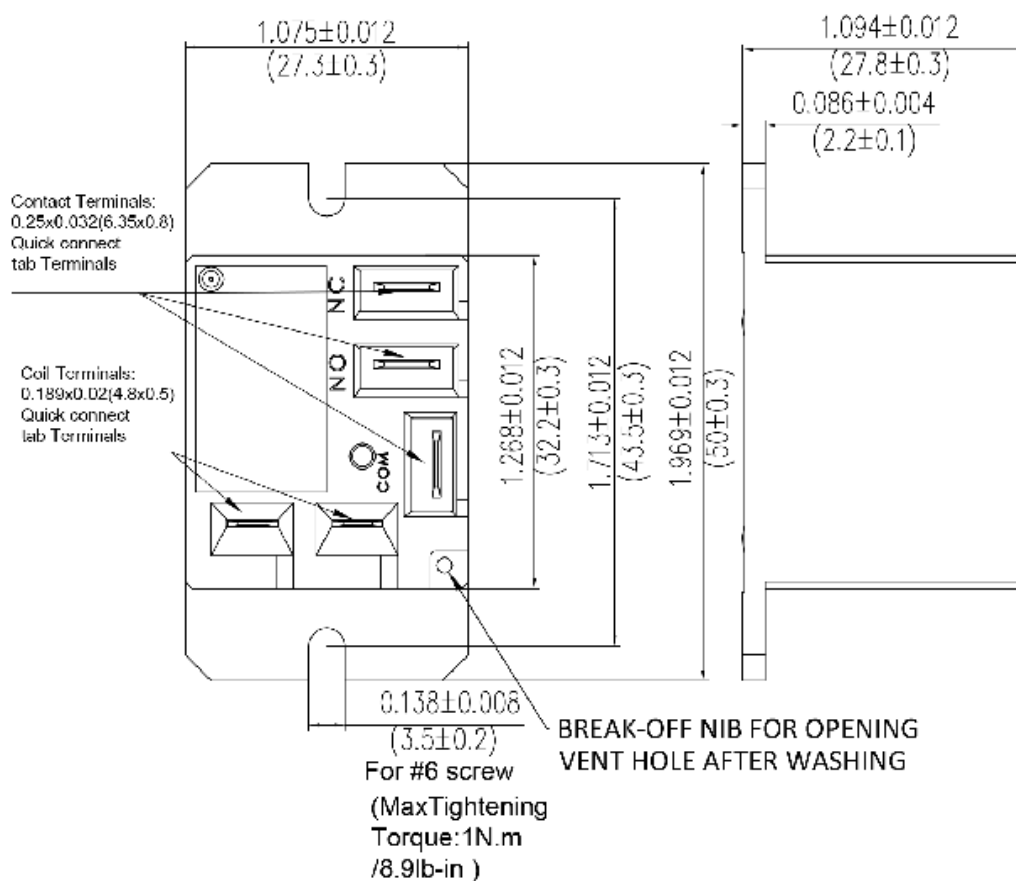
## Offer Sustainability

|                            |                                                                                                                                                                                                                                                                                             |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sustainable offer status   | Green Premium product                                                                                                                                                                                                                                                                       |
| California proposition 65  | WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and 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          | Compliant <a href="#">EU RoHS Declaration</a>                                                                                                                                                                                                                                               |
| Toxic heavy metal free     | Yes                                                                                                                                                                                                                                                                                         |
| Lead 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.                                                                                                                                                                |
| PVC free                   | Yes                                                                                                                                                                                                                                                                                         |
| Silicon free               | Yes                                                                                                                                                                                                                                                                                         |
| Phenolic free solution     | Yes                                                                                                                                                                                                                                                                                         |

Approximate Dimensions

1C

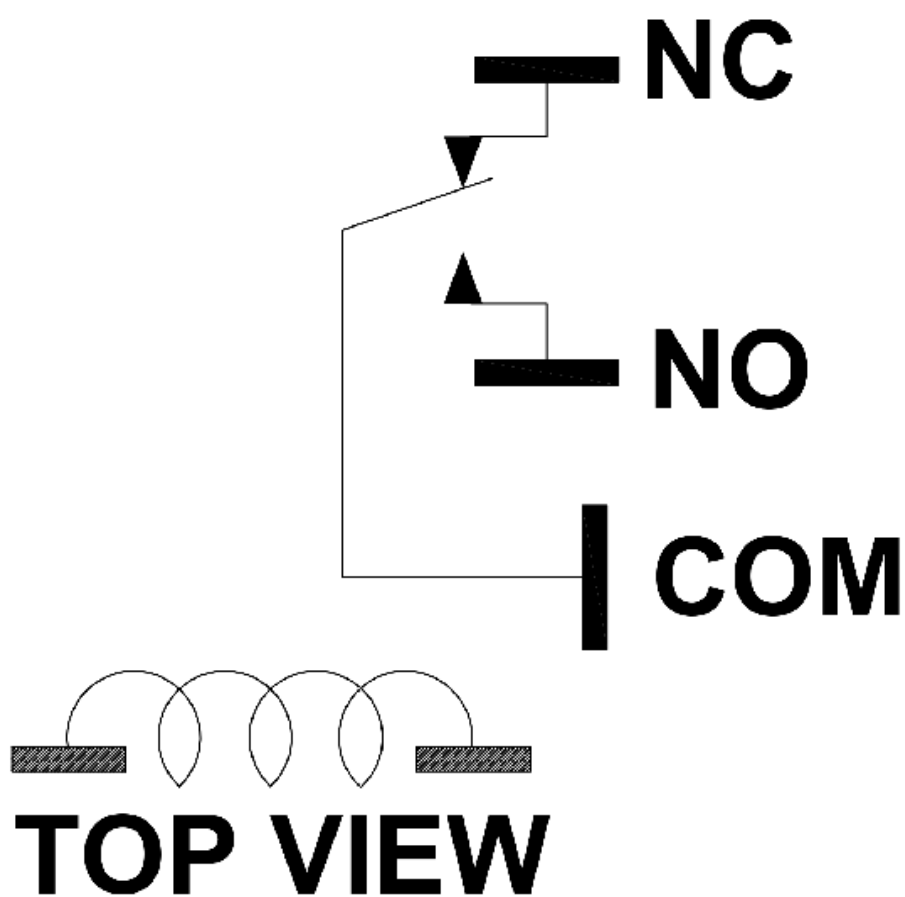
Unit:  
in.  
(mm)



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Connections and Wiring Diagrams

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