# Product data sheet
## Characteristics

# 861SSR210-AC-2
Relay, SE Relays, solid state, SPST NO, 10A, 24…280 VAC, 90...208 VAC, SCR, AC random switch



## Main

| | |
|---|---|
| Range | Legacy |
| Product Type | Solid state relay |
| Maximum output current | 10 A AC |
| Mounting Support | Panel<br>DIN rail |
| Network Number of Phases | 1 phase |
| Output Voltage | 24...280 V AC |
| Control Circuit Voltage | 90...280 V AC |

## Complementary

| | |
|---|---|
| Holding Current | 50 mA |
| Input Current Limits | 20 mA at 240 V AC typical |
| Switch Function | SPST |
| Contacts Type and Composition | NO |
| Tightening Torque | 0.8 N.m for input/output |
| Connections Terminals | Input/output screw clamp terminal 0.00 in² (2.5 mm²) AWG 14) |
| Local Signalling | For input status 1 LED (green) |
| Switching Device | SCR output<br>Random voltage switching |
| Load Current | 10 A at nominal load<br>8 A incandescent lamp<br>4.5 A motor |
| Maximum Peak Voltage | 400 V |
| Overload Current | 24 A for 1 second |
| Surge Current | 500 A 1 cycle |
| Must Release Voltage | 10 V |
| Voltage Drop | <1.6 V peak AC<br><1.25 V on-state AC |
| Thermal Resistance | 0.66 °C/W |
| Maximum I²t for fusing | 1250 A².s 8.3 ms |
| Leakage Current | 6 mA at off-state 240 V AC |
| DV/dt | 500 V/µs off-state at maximum rated voltage |
| Response Time | 40 ms (turn-off)<br>40 ms (turn-on) |
| Dielectric Strength | 4000 V between input and output<br>2500 V between terminals and chassis |
| Height | 2.56 in (65 mm) |
| Width | 0.62 in (15.75 mm) |
| Depth | 3.54 in (89.83 mm) |
| Product Weight | 4.48 oz (127.1 g) |
| Device Presentation | Complete device |

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein.
This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications.
It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof.
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## Environment

| | |
|---|---|
| Product Certifications | CE[RETURN]CSA[RETURN]UL |
| IP Degree of Protection | IP20 |
| Ambient Air Temperature for Operation | -22…176 °F (-30…80 °C) |
| Ambient Air Temperature for Storage | -40…212 °F (-40…100 °C) |

## Ordering and shipping details

| | |
|---|---|
| Category | 21127-ZELIO ICE CUBE RELAYS |
| Discount Schedule | CP2 |
| GTIN | 3606480282225 |
| Returnability | No |
| Country of origin | IN |

## Packing Units

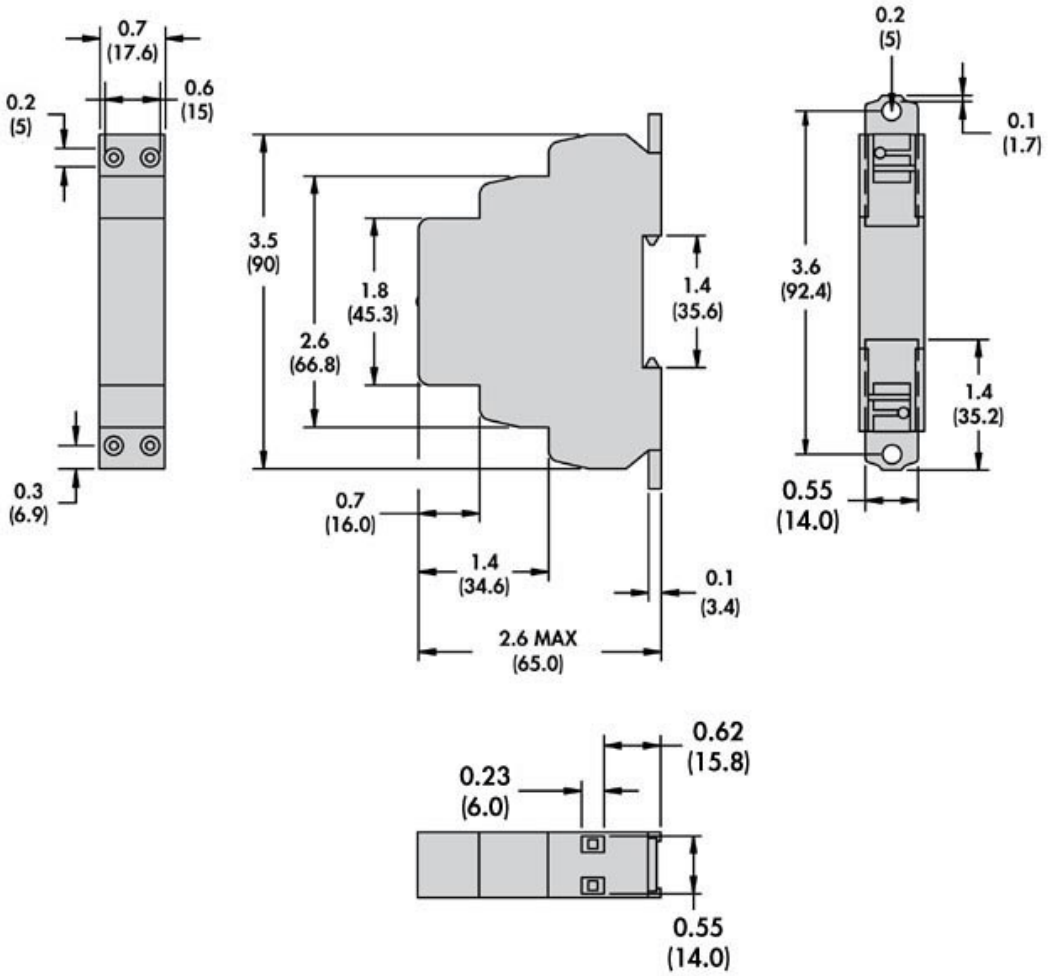
| | |
|---|---|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 3.64 in (9.24 cm) |
| Package 1 Width | 0.69 in (1.76 cm) |
| Package 1 Length | 2.56 in (6.5 cm) |
| Package 1 Weight | 4.48 oz (127.1 g) |

## Offer Sustainability

| | |
|---|---|
| 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 www.P65Warnings.ca.gov |
| REACh Regulation | REACh Declaration |
| EU RoHS Directive | Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration |
| Mercury free | Yes |
| China RoHS Regulation | China RoHS Declaration |
| RoHS exemption information | Yes |
| WEEE | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins. |

# 861SSR210-AC-2

## Approximate Dimensions



## Connections and Wiring Diagrams

