

# SSR610DIN-DC22

Relay, SE Relays, solid state, SPST NO, 10A, 48...660 VAC, 3...32 VDC U<sub>c</sub>, SCR, AC zero cross, 22 mmm



## Main

|                          |                   |
|--------------------------|-------------------|
| Range                    | Legacy            |
| Product Type             | Solid state relay |
| Maximum output current   | 10 A              |
| Mounting Support         | Panel<br>DIN rail |
| Network Number of Phases | 1 phase           |
| Output Voltage           | 48...660 V AC     |

## Complementary

|                                     |                                                     |
|-------------------------------------|-----------------------------------------------------|
| Input Current Limits                | 8...12 mA at 32 V DC typical                        |
| Switch Function                     | SPST                                                |
| Contacts Type and Composition       | NO                                                  |
| Tightening Torque                   | 0.6...0.7 N.m for input<br>0.6...0.7 N.m for output |
| Connections Terminals               | Input screw AWG 10)<br>Output screw AWG 10)         |
| Local Signalling                    | For input status 1 LED (green)                      |
| Switching Voltage                   | 4 V DC turn-on<br>1 V DC turn-off                   |
| Switching Device                    | SCR output<br>Zero voltage switching                |
| Maximum Peak Voltage                | 1200 V                                              |
| Surge Current                       | 120 A 16.6 ms                                       |
| Voltage Drop                        | <1.6 V on-state                                     |
| Maximum I <sup>2</sup> t for fusing | 60 A <sup>2</sup> .s 8.3 ms                         |
| Leakage Current                     | 1 mA at off-state                                   |
| DV/dt                               | 500 V/μs off-state maximum                          |
| Response Time                       | 8.33 ms (turn-on, turn-off)                         |
| Height                              | 3.85 in (97.7 mm)                                   |
| Width                               | 0.88 in (22.4 mm)                                   |
| Depth                               | 3.15 in (80 mm)                                     |
| Product Weight                      | 9.88 oz (280 g)                                     |

## Environment

|                                       |                             |
|---------------------------------------|-----------------------------|
| Product Certifications                | CSA<br>CE                   |
| Ambient Air Temperature for Operation | -40...176 °F (-40...80 °C)  |
| Ambient Air Temperature for Storage   | -40...257 °F (-40...125 °C) |

## Ordering and shipping details

|                       |                   |
|-----------------------|-------------------|
| GTIN                  | 3606480282881     |
| Nbr. of units in pkg. | 1                 |
| Package weight(Lbs)   | 9.59 oz (272.0 g) |

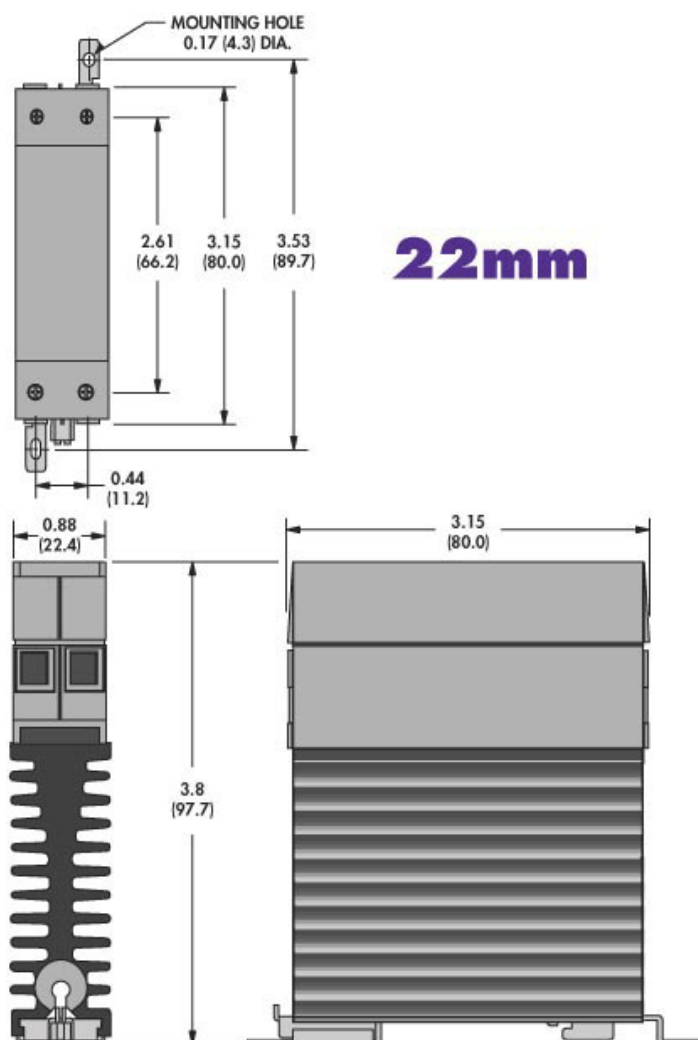
## Packing Units

|                        |                   |
|------------------------|-------------------|
| Unit Type of Package 1 | PCE               |
| Package 1 Height       | 3.53 in (8.97 cm) |
| Package 1 width        | 0.88 in (2.24 cm) |
| Package 1 Length       | 3.85 in (9.77 cm) |

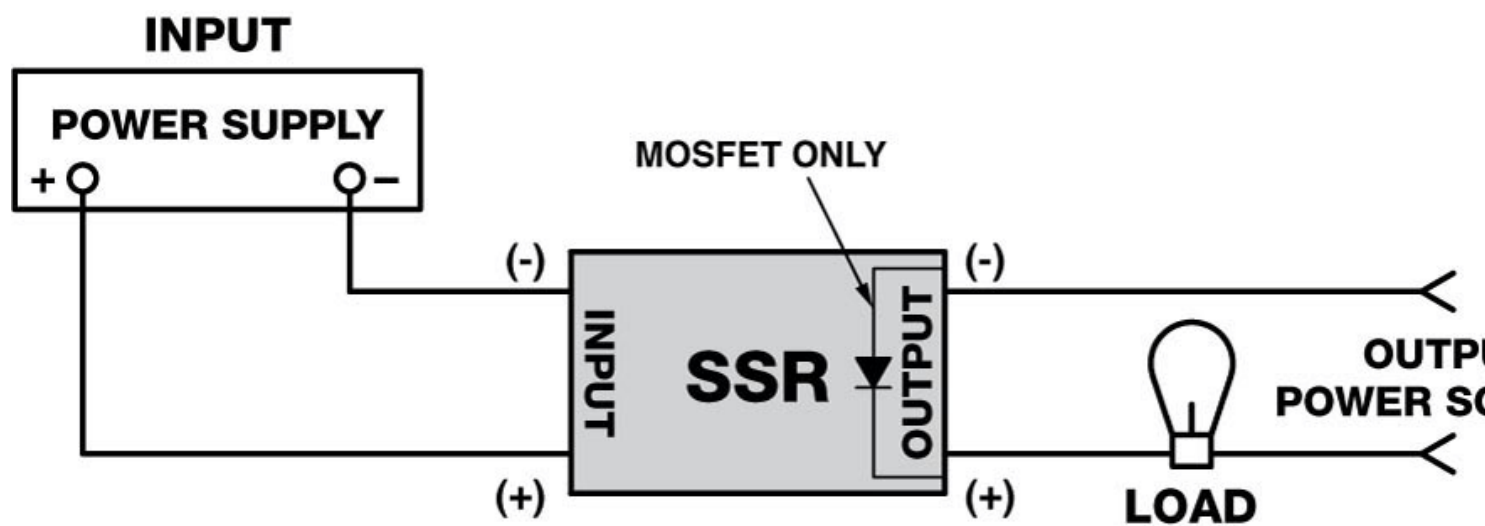
## Offer Sustainability

|                            |                                                                                                                                                                                                                                                                                             |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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>                                                                                                                                                                                                                                                           |
| EU RoHS Directive          | Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a>                                                                                                                                                                                              |
| 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.                                                                                                                                                                |

Approximate Dimensions



Connections and Wiring Diagrams



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