

6250AXXSZS-DC3

Relay, SE Relays, solid state, SPST NO, 50A,
24...280 VAC, 3...32 VDC U_c, SCR AC zero
cross, screw terminal



Main

| | |
|--------------------------|-------------------|
| Range | Legacy |
| Product Type | Solid state relay |
| Maximum output current | 50 A AC |
| Mounting Support | Panel |
| Network Number of Phases | 1 phase |
| Output Voltage | 24...280 V AC |
| Control Circuit Voltage | 3...32 V DC |

Complementary

| | |
|-------------------------------------|--|
| Holding Current | 250 mA |
| Input Current Limits | 5...40 mA at 5 V DC typical |
| Switch Function | SPST |
| Contacts Type and Composition | NO |
| Tightening Torque | 10 lb.in for input 20 lb.in for output |
| Connections Terminals | Input screw clamp terminal, 1 Output screw clamp terminals, 1 |
| Screw Type | M3.5 M6 |
| Local Signalling | For input status 1 LED (green) |
| Switching Device | SCR output Zero voltage switching |
| Maximum Peak Voltage | 600 V |
| Surge Current | 625 A 16.6 ms |
| Must Release Voltage | 1 V |
| Voltage Drop | <1.6 V on-state AC |
| Power Factor | With maximum load |
| Insulating Resistance | 1 GΩ |
| Thermal Resistance | 0.63 °C/W |
| Maximum I ² t for fusing | 1250 A ² .s 8.3 ms |
| Leakage Current | 1 mA at off-state |
| DV/dt | 600 V/μs off-state at maximum rated voltage |
| Response Time | 8.33 ms (turn-on, turn-off) |
| Dielectric Strength | 4000 V between input and ground 4000 V between output and ground 4000 V between input and output |
| Height | 1.39 in (35.3 mm) |
| Width | 1.85 in (47.1 mm) |
| Depth | 2.30 in (58.4 mm) |
| Product Weight | 3.70 oz (105 g) |

Environment

| | |
|---------------------------------------|-----------------------------|
| Product Certifications | UL CSA CE |
| IP Degree of Protection | IP20 |
| 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 | 3606480277375 |
| Nbr. of units in pkg. | 1 |
| Package weight(Lbs) | 3.05 oz (86.5 g) |

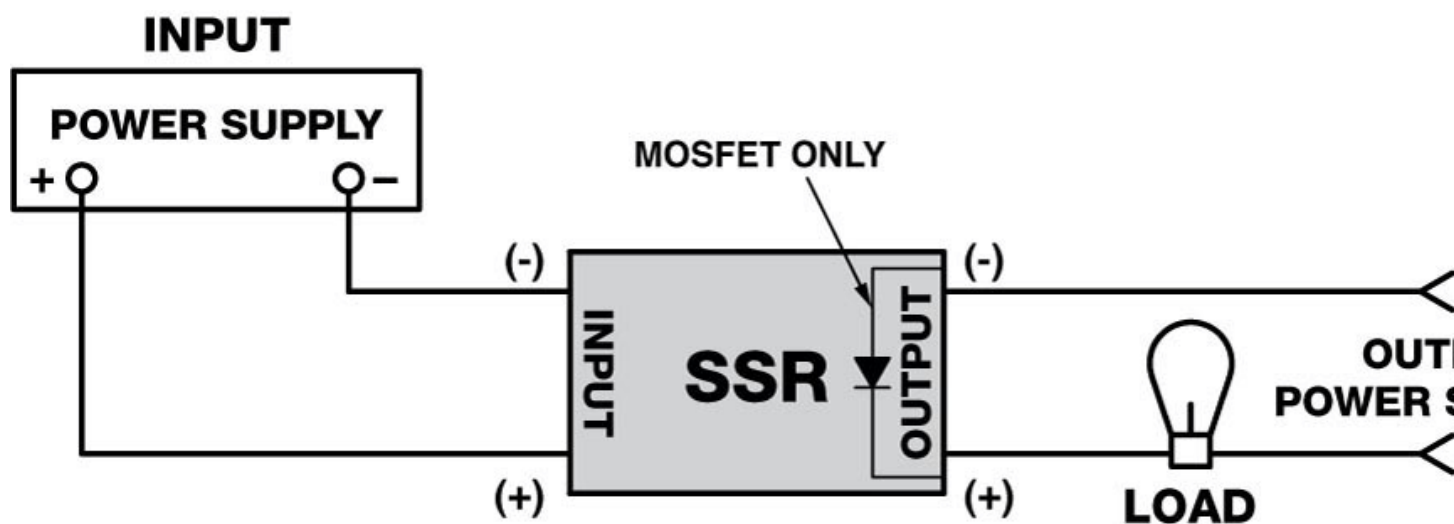
Packing Units

| | |
|------------------------|--------------------|
| Unit Type of Package 1 | PCE |
| Package 1 Height | 2.28 in (5.791 cm) |
| Package 1 width | 1.71 in (4.342 cm) |
| Package 1 Length | 1.74 in (4.414 cm) |

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 |
| RoHS exemption information |  Yes |
| China RoHS Regulation |  China RoHS Declaration |
| WEEE | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins. |

Connections and Wiring Diagrams



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