

## 6240AXXSZS-DC3

Relay, SE Relays, solid state, SPST NO, 40A, 24...280 VAC, 3...32 VDC U<sub>c</sub>, SCR AC zero cross, screw terminal



### Main

|                          |                   |
|--------------------------|-------------------|
| Range                    | Legacy            |
| Product Type             | Solid state relay |
| Maximum output current   | 40 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                                                                                                     |
| Protection Technology               | Current limiter                                                                                        |
| Tightening Torque                   | 10 lb.in for input<br>20 lb.in for output                                                              |
| Connections Terminals               | Input screw clamp terminal, 1<br>Output screw clamp terminals, 1                                       |
| Screw Type                          | M3.5<br>M6                                                                                             |
| Local Signalling                    | For input status 1 LED (green)                                                                         |
| Switching Device                    | SCR output<br>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                  | 0.9 °C/W                                                                                               |
| Maximum I <sup>2</sup> t for fusing | 625 A <sup>2</sup> .s 8.3 ms                                                                           |
| Leakage Current                     | 10 mA at off-state                                                                                     |
| DV/dt                               | 500 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<br>4000 V between output and ground<br>4000 V between input and output |
| Height                              | 1.39 in (35.3 mm)                                                                                      |
| Width                               | 1.85 in (47.1 mm)                                                                                      |
| Depth                               | 1.78 in (45.22 mm)                                                                                     |
| Product Weight                      | 3.05 oz (86.5 g)                                                                                       |

## Environment

|                                       |                             |
|---------------------------------------|-----------------------------|
| Product Certifications                | UL<br>CSA<br>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                  | 3606480277351    |
| Nbr. of units in pkg. | 1                |
| Package weight(Lbs)   | 3.05 oz (86.5 g) |

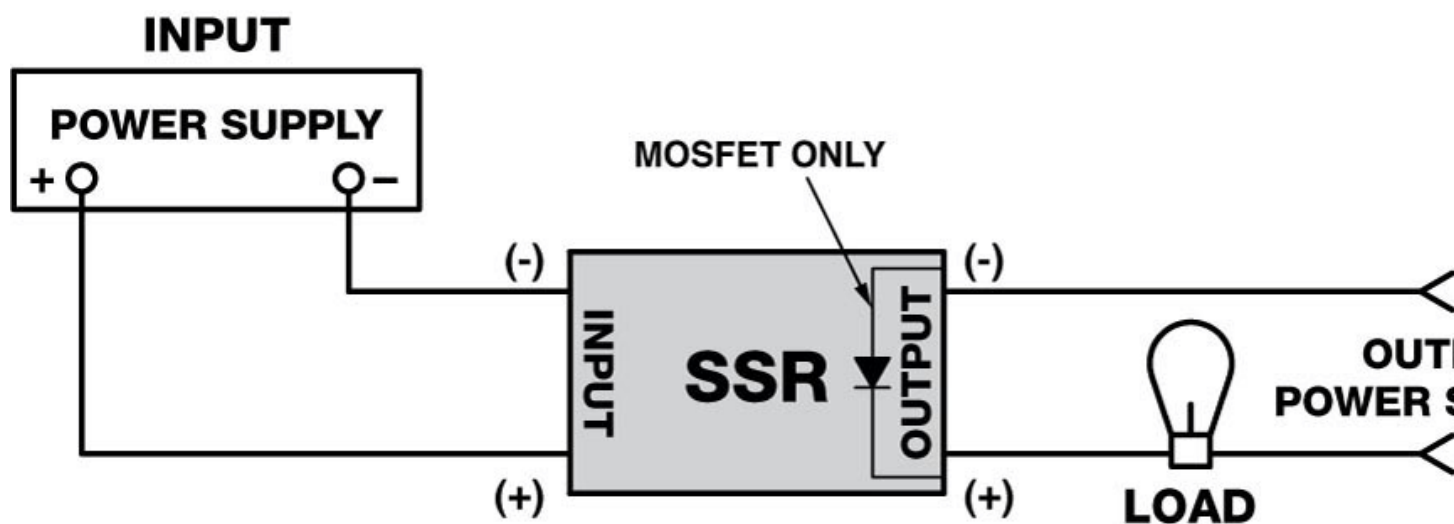
## Packing Units

|                              |                        |
|------------------------------|------------------------|
| 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)     |
| Unit Type of Package 2       | BB1                    |
| Number of Units in Package 2 | 1                      |
| Package 2 Weight             | 3.05 oz (86.5 g)       |
| Package 2 Height             | 2.52 in (6.4 cm)       |
| Package 2 width              | 1.46 in (3.7 cm)       |
| Package 2 Length             | 1.85 in (4.7 cm)       |
| Unit Type of Package 3       | CAR                    |
| Number of Units in Package 3 | 50                     |
| Package 3 Weight             | 14.93 lb(US) (6.77 kg) |
| Package 3 Height             | 5.31 in (13.5 cm)      |
| Package 3 width              | 9.06 in (23 cm)        |
| Package 3 Length             | 10.63 in (27 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 <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>                                                                                                                                                                  |
| 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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