

## Product data sheet

### Characteristics

## 6225AXXSZS-AC90

Relay, SE Relays, solid state, SPST NO, 25A, 24...280 VAC, 90...280 VAC U<sub>c</sub>, SCR AC zero cross, screw terminal



### Main

|                          |                   |
|--------------------------|-------------------|
| Range                    | Legacy            |
| Product Type             | Solid state relay |
| Maximum output current   | 25 A AC           |
| Mounting Support         | Panel             |
| Network Number of Phases | 1 phase           |
| Output Voltage           | 24...280 V AC     |
| Control Circuit Voltage  | 90...280 V AC     |

### Complementary

|                                     |                                                                                                        |
|-------------------------------------|--------------------------------------------------------------------------------------------------------|
| Input Impedance                     | 13000 Ohm                                                                                              |
| Holding Current                     | 120 mA                                                                                                 |
| Input Current Limits                | 11 mA at 120 V AC typical<br>20 mA at 240 V AC                                                         |
| 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                       | 250 A 16.6 ms                                                                                          |
| Must Release Voltage                | 10 V                                                                                                   |
| Voltage Drop                        | <1.6 V on-state AC                                                                                     |
| Power Factor                        | 1 with maximum load                                                                                    |
| Insulating Resistance               | 1 GΩ                                                                                                   |
| Thermal Resistance                  | 1.02 °C/W                                                                                              |
| Maximum I <sup>2</sup> t for fusing | 312 A <sup>2</sup> .s 8.3 ms                                                                           |
| Leakage Current                     | 8 mA at off-state                                                                                      |
| DV/dt                               | 500 V/μs off-state at maximum rated voltage                                                            |
| Response Time                       | 8.33 ms (turn-on)<br>8.33 ms (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                               | 2.30 in (58.4 mm)                                                                                      |
| Product Weight                      | 3.05 oz (86.5 g)                                                                                       |

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## 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

|                   |                                 |
|-------------------|---------------------------------|
| Category          | 22375-INTERFACE MODULE(ABA,R,S) |
| Discount Schedule | CP2                             |
| GTIN              | 3606480277306                   |
| Returnability     | Yes                             |
| Country of origin | IN                              |

## Packing Units

|                              |                        |
|------------------------------|------------------------|
| Unit Type of Package 1       | PCE                    |
| Number of Units in Package 1 | 1                      |
| 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)     |
| Package 1 Weight             | 3.05 oz (86.5 g)       |
| Unit Type of Package 2       | BB1                    |
| Number of Units in Package 2 | 1                      |
| 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)       |
| Package 2 Weight             | 3.05 oz (86.5 g)       |
| Unit Type of Package 3       | CAR                    |
| Number of Units in Package 3 | 50                     |
| 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)       |
| Package 3 Weight             | 14.48 lb(US) (6.57 kg) |

## 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                                                                                                                                                                                                                                                                                         |
| China RoHS Regulation      |  <a href="#">China RoHS Declaration</a>                                                                                                                                                                  |
| RoHS exemption information |  <a href="#">Yes</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

