

## 6450AXXSZS-DC3

Relay, Legacy, solid state, SPST NO, 50A, 48...530 VAC, 3...32 VDC U<sub>c</sub>, SCR AC zero cross, screw terminal



### Main

Range	Legacy
Product Type	Solid state relay
Nominal Output Current	50 A AC
Network Number of Phases	1 phase
Mounting Support	Panel
Output Voltage	48...530 V AC
Control Circuit Voltage	4...32 V DC

### Complementary

Holding Current	150 mA
Input Current Limits	5...40 mA 5 V DC typical
Switch Function	SPST
Contacts Type and Composition	NO
Protection Type	Reverse polarity protection
Tightening Torque	10 lb.in input 20 lb.in output
Connections Terminals	Input screw clamp terminal, 1 Output screw clamp terminals, 1
Screw Type	M3.5 M6
Local Signalling	Input status 1 LED green)
Switching Device	SCR output Zero voltage switching
Maximum Peak Voltage	800 V
Surge Current	625 A 16.6 ms
Must Release Voltage	1 V
Voltage Drop	<1.6 V on-state for AC
Power Factor	With maximum load
Insulating Resistance	1 GΩ
Thermal Resistance	0.63 °C/W
Maximum I <sup>2</sup> t for fusing	1035 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 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	03606480277542
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## 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

