

Product data sheet

Characteristics

6250AXXSZS-AC90

Relay, SE Relays, solid state, SPST NO, 50A, 24...280 VAC, 90...280 VAC 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	90...280 V AC

Complementary

Input Impedance	60 kOhm
Holding Current	250 mA
Input Current Limits	2...4 mA at 240 V AC typical
Switch Function	SPST
Contacts Type and Composition	NO
Protection Technology	Current limiter
Tightening Torque	10 lb.in for input 20 lb.in for output
Connections Terminals	Input screw clamp terminal, 1 Output screw clamp terminals, 1
Local Signalling	for input status 1 LED (green)
Switching Device	SCR output Zero voltage switching
Maximum Peak Voltage	600 V
Surge Current	500 A 16.6 ms
Must Release Voltage	10 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

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Leakage Current	10 mA at off-state
DV/Dt	500 V/ μ s off-state at maximum rated voltage
Response Time	10 ms (turn-on) 40 ms (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	03606480277368
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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 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

