

## 6250AXXSZS-DC3

Relay, SE Relays, solid state, SPST NO, 50A,  
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	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	1 with maximum load
Insulating Resistance	1 GΩ
Thermal Resistance	0.63 °C/W
Maximum I <sup>2</sup> t for fusing	1250 A <sup>2</sup> .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

Category	21127-ZELIO ICE CUBE RELAYS
Discount Schedule	CP2
GTIN	3606480277375
Returnability	Yes
Country of origin	MX

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	2.00 in (5.08 cm)
Package 1 Width	2.70 in (6.86 cm)
Package 1 Length	1.60 in (4.06 cm)
Package 1 Weight	0.26 lb(US) (0.12 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

