

# Product data sheet

Specifications



Relay, SE Relays, solid state, SPST NO, 90A, 48...600 VAC, 90...280 VAC U<sub>c</sub>, SCR AC zero cross, screw terminal

6690AXXSZS-AC90

Product availability : Non-Stock - Not normally stocked in distribution facility

Price\* : 81.99 USD

## Main

Range	Legacy
Product Type	Solid state relay
Maximum output current	90 A AC
Mounting Support	Panel
Network Number of Phases	1 phase
Output Voltage	48...600 V AC
Control Circuit Voltage	90...280 V AC

## Complementary

Input Impedance	60 kOhm
Holding Current	40 mA
Input Current Limits	2 mA at 120 V AC typical 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
Screw Type	M3.5 M6
Local Signalling	for input status 1 LED (green)
Switching Device	SCR output Zero voltage switching
Surge Current	1200 A 16.6 ms
Must Release Voltage	10 V
Voltage Drop	<1.7 V on-state AC
Power Factor	1 with maximum load
Insulating Resistance	1 GΩ

\* Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

<b>Thermal Resistance</b>	0.28 °C/W
<b>Maximum I<sup>2</sup>t for fusing</b>	5976 A <sup>2</sup> .s
<b>Leakage Current</b>	5 mA at off-state
<b>DV/Dt</b>	500 V/μs off-state
<b>Response Time</b>	10 ms (turn-on) 40 ms (turn-off)
<b>Dielectric Strength</b>	4000 V between input and ground 4000 V between output and ground 4000 V between input and output
<b>Height</b>	1.39 in (35.3 mm)
<b>Width</b>	1.85 in (47.1 mm)
<b>Depth</b>	2.30 in (58.4 mm)
<b>Product Weight</b>	3.70 oz (105 g)

## Environment

<b>Product Certifications</b>	UL CSA CE
<b>IP Degree of Protection</b>	IP20
<b>Ambient Air Temperature for Operation</b>	-40...176 °F (-40...80 °C)
<b>Ambient Air Temperature for Storage</b>	-40...257 °F (-40...125 °C)

## Ordering and shipping details

<b>Category</b>	21127-ZELIO ICE CUBE RELAYS
<b>Discount Schedule</b>	CP2
<b>GTIN</b>	3606480277580
<b>Returnability</b>	Yes
<b>Country of origin</b>	IN

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Number of Units in Package 1</b>	1
<b>Package 1 Height</b>	2.28 in (5.791 cm)
<b>Package 1 Width</b>	1.71 in (4.342 cm)
<b>Package 1 Length</b>	1.74 in (4.414 cm)
<b>Package 1 Weight</b>	3.05 oz (86.5 g)

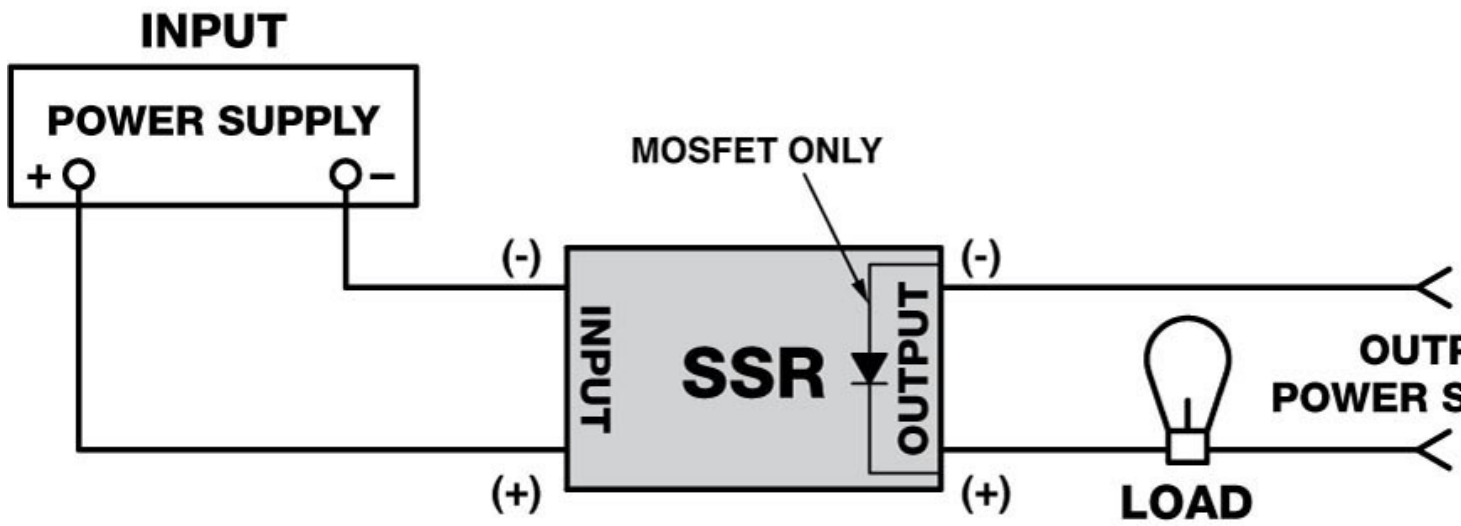
## Offer Sustainability

<b>California proposition 65</b>	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>
<b>REACH Regulation</b>	<a href="#">REACH Declaration</a>
<b>EU RoHS Directive</b>	Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a>
<b>Mercury free</b>	Yes
<b>RoHS exemption information</b>	<a href="#">Yes</a>
<b>China RoHS Regulation</b>	<a href="#">China RoHS declaration</a>

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**WEEE**

The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.



Recommended replacement(s)