

# 6690AXXSZS-DC3

Relay, SE Relays, solid state, SPST NO, 90A, 48...600 VAC, 3...32 VDC Uc, SCR AC zero cross, screw terminal



## 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	3...32 V DC

## Complementary

Holding Current	40 mA
Input Current Limits	16 mA at 5 V DC
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	1200 V
Surge Current	1200 A 16.6 ms
Must Release Voltage	1 V
Voltage Drop	<1.7 V on-state AC
Power Factor	With maximum load
Insulating Resistance	1 GΩ
Thermal Resistance	0.28 °C/W
Maximum I <sup>2</sup> t for fusing	5976 A <sup>2</sup> .s 8.3 ms
Leakage Current	5 mA at off-state
DV/dt	1000 V/μs off-state
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	3606480277597
Nbr. of units in pkg.	1
Package weight(Lbs)	3.05 oz (86.5 g)

## Packing Units

Unit Type of Package 1	PCE
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)

## 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



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