Product data sheet Characteristics

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	48600 V AC
Control Circuit Voltage	3 32 V DC

Complementary

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 I²t for fusing	5976 A².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	-40176 °F (-4080 °C)
Ambient Air Temperature for Storage	-40257 °F (-40125 °C)

Ordering and shipping details

GTIN	3606480277597
Nbr. of units in pkg.	1
Package weight(Lbs)	3.05 oz (86.5 g)

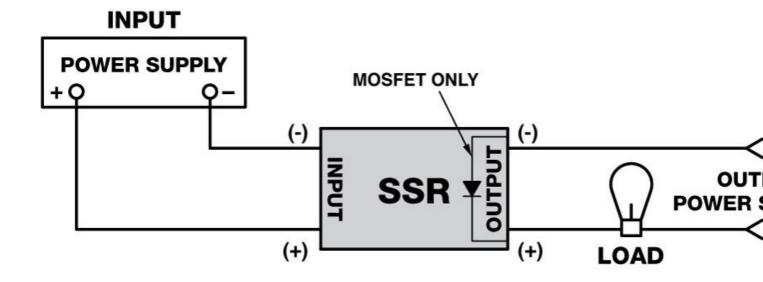
Packing Units

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 CE	WADNING: This product can expect you to showingle including Load and
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
	www.r oovvarmings.ca.gov
REACh Regulation	REACh Declaration
ŭ	REACH Declaration
EU RoHS Directive	
	Pro-active compliance (Product out of EU RoHS legal scope)
	Declaration
Maraum, fran	Vec
Mercury free	Yes
RoHS exemption information	
Trong exemption information	₽
China RoHS Regulation	5
Offina Norto Negalation	☐ China RoHS Declaration
WEEE	The product must be disposed on European Union markets following specific
	waste collection and never end up in rubbish bins.
	waste collection and never end up in rubbish biris.

Connections and Wiring Diagrams



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Authorized Distributor

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