

## Product data sheet

### Characteristics

# 6440AXXSZS-AC90

Relay, SE Relays, solid state, SPST NO, 40A, 48...530 VAC, 90...280 VAC Uc, SCR AC zero cross, screw terminal



### Main

Range	Legacy
Product Type	Solid state relay
Maximum output current	40 A AC
Mounting Support	Panel
Network Number of Phases	1 phase
Output Voltage	48...530 V AC
Control Circuit Voltage	90...280 V AC

### Complementary

Input Impedance	13000 Ohm
Holding Current	250 mA
Input Current Limits	11 mA at 120 V AC typical 20 mA at 240 V AC
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
Maximum Peak Voltage	800 V
Surge Current	625 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	0.9 °C/W
Maximum I²t for fusing	1250 A².s 8.3 ms
Leakage Current	10 mA at off-state
DV/dt	500 V/μs off-state at maximum rated voltage
Response Time	8.33 ms (turn-on) 8.33 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	3.05 oz (86.5 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	3606480277504
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)
Unit Type of Package 2	BB1
Number of Units in Package 2	1
Package 2 Weight	3.05 oz (86.5 g)
Package 2 Height	2.52 in (6.4 cm)
Package 2 width	1.46 in (3.7 cm)
Package 2 Length	1.85 in (4.7 cm)
Unit Type of Package 3	CAR
Number of Units in Package 3	50
Package 3 Weight	14.93 lb(US) (6.77 kg)
Package 3 Height	5.31 in (13.5 cm)
Package 3 width	9.06 in (23 cm)
Package 3 Length	10.63 in (27 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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