## 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

48...530 V AC

90...280 V AC

1 phase

#### Complementary

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)
5	0.05 (0.05)

Network Number of

Output Voltage
Control Circuit Voltage

Phases

**Product Weight** 

3.05 oz (86.5 g)

#### Environment

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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	3606480277504
Nbr. of units in pkg.	1
Package weight(Lbs)	3.05 oz (86.5 g)

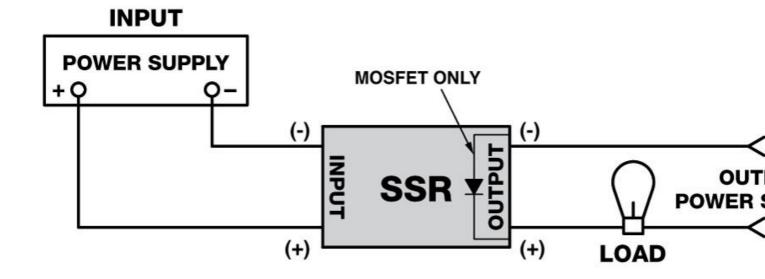
#### **Packing Units**

Facking 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 www.P65Warnings.ca.gov
REACh Regulation	REACh Declaration
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS  Declaration
Mercury free	Yes
RoHS exemption information	₫Yes
China RoHS Regulation	☑ China RoHS Declaration
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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**Authorized Distributor** 

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6440AXXSZS-AC90 6440ASX-1