

# 66125AXXSZS-AC90

Relay, Legacy, solid state, SPST NO, 125A, 48...600 VAC, 90...280 VAC U<sub>c</sub>, SCR, screw terminal



## Main

Range	Legacy
Product Type	Solid state relay
Nominal Output Current	125 A AC
Network Number of Phases	1 phase
Mounting Support	Panel
Output Voltage	48...660 V AC
Control Circuit Voltage	90...280 V AC

## Complementary

Input Impedance	13000 Ohm
Holding Current	125 mA
Input Current Limits	2 MA 120 V AC typical 4 mA 240 V AC typical
Switch Function	SPST
Contacts Type and Composition	NO
Protection Type	Reverse polarity protection
Tightening Torque	10 lb.in input 20 lb.in output
Connections Terminals	Input screw clamp terminal, 1 Output screw clamp terminals, 1
Screw Type	M3.5 M6
Local Signalling	Input status 1 LED green)
Switching Device	SCR output Zero voltage switching
Maximum Peak Voltage	1200 V
Surge Current	1750 A 16.6 ms
Must Release Voltage	10 V
Voltage Drop	<1.7 V on-state AC
Power Factor	With maximum load
Insulating Resistance	1 GΩ
Thermal Resistance	0.22 °C/W
Maximum I <sup>2</sup> t for fusing	12709 A <sup>2</sup> .s
Leakage Current	5 mA at off-state
DV/dt	500 V/μs off-state
Response Time	10 ms turn-on)
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)

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

## 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)

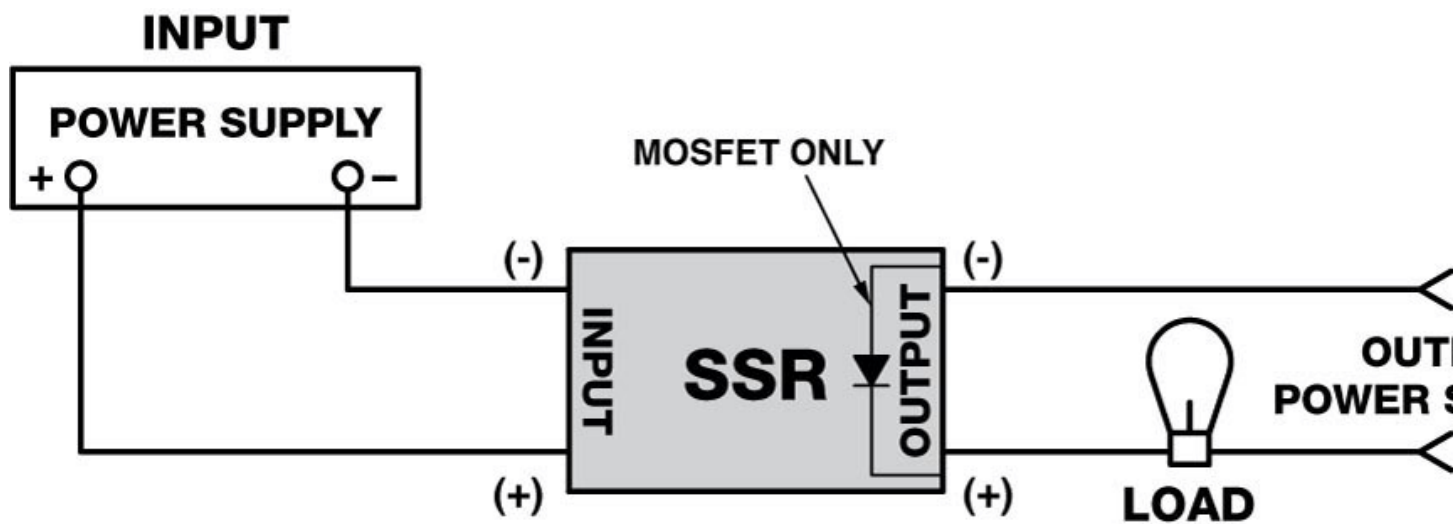
## Ordering and shipping details

GTIN	03606480277573
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## 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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