

# SSR245DIN-AC45

Relay, Legacy, solid state, SPST NO, 45A, 24...480 VAC, 90...140 VAC U<sub>c</sub>, SCR, AC zero cross, 45 mm



## Main

Range	Legacy
Product Type	Solid state relay
Nominal Output Current	45 A
Network Number of Phases	1 phase
Mounting Support	Panel DIN rail
Output Voltage	24...280 V AC

## Complementary

Input Current Limits	15 mA 120 V AC typical
Switch Function	SPST
Contacts Type and Composition	NO
Tightening Torque	0.6...0.7 N.m for input 1.1...1.7 N.m output
Connections Terminals	Input screw AWG 12) Output screw AWG 8)
Local Signalling	Input status 1 LED green)
Switching Voltage	110 V AC turn-on 18 V AC turn-off
Switching Device	SCR output Zero voltage switching
Maximum Peak Voltage	600 V
Surge Current	625 A 16.6 ms
Voltage Drop	<1.6 V on-state
Maximum I <sup>2</sup> t for fusing	1621 A <sup>2</sup> .s 8.3 ms
Leakage Current	10 mA at off-state
DV/dt	500 V/μs off-state maximum
Response Time	10 ms turn-on) 40 ms turn-off)
Height	4.20 in (106.7 mm)
Width	1.79 in (45.5 mm)
Depth	3.10 in (78.7 mm)
Product Weight	16.79 oz (476 g)

## Environment

Product Certifications	CSA CE RoHS
Ambient Air Temperature for Operation	-40...176 °F (-40...80 °C)
Ambient Air Temperature for Storage	-40...257 °F (-40...125 °C)

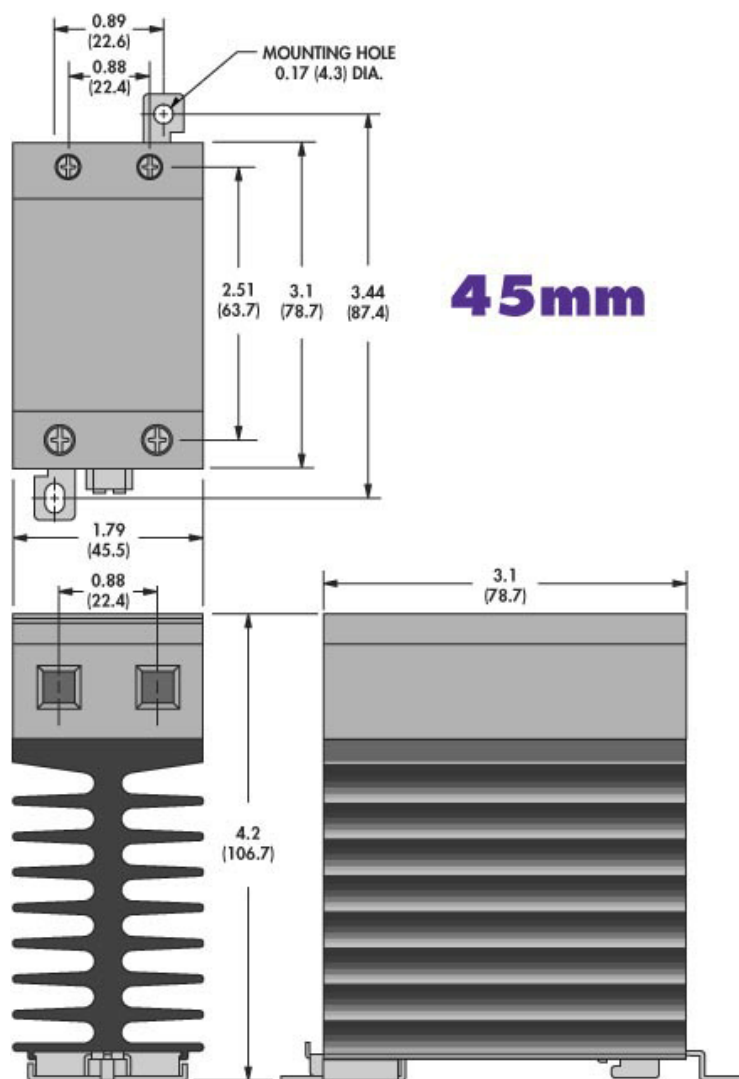
## Ordering and shipping details

GTIN	03606480282829
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## Offer Sustainability

Sustainable offer status	Green Premium product
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>
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Circularity Profile	<a href="#">End Of Life Information</a>
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.

Approximate Dimensions



Connections and Wiring Diagrams

