

# Product data sheet

Specifications



Relay, SE Relays, solid state, SPST NO, 50A, 24V to 280V AC, 3V to 32V DC U<sub>c</sub>, SCR AC zero cross, screw terminal

6250AXXSZS-DC3

⚠ Discontinued

⚠ Discontinued on: Oct 22, 2024

**Product availability: Non-Stock - Not normally stocked in distribution facility**

## Main

Range	Legacy
Product Type	Solid state relay
maximum output current	50 A AC
Mounting Support	Panel
Network Number of Phases	1 phase
Output Voltage	24...280 V AC
Control Circuit Voltage	3...32 V DC

## Complementary

Holding Current	250 mA
Input Current Limits	5...40 mA at 5 V DC typical
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	1 LED (green) for input status
Switching Device	SCR output Zero voltage switching
Maximum Peak Voltage	600 V
Surge Current	625 A 16.6 ms
Must Release Voltage	1 V
Voltage Drop	<1.6 V on-state AC
Power Factor	1 with maximum load
Insulating Resistance	1 GΩ
Thermal Resistance	0.63 °C/W
Maximum I <sup>2</sup> t for fusing	1250 A <sup>2</sup> .s 8.3 ms

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

<b>Leakage Current</b>	1 mA at off-state
<b>DV/dt</b>	600 V/ $\mu$ s off-state at maximum rated voltage
<b>Response Time</b>	8.33 ms (turn-on, turn-off)
<b>Dielectric Strength</b>	4000 V between input and ground 4000 V between output and ground 4000 V between input and output
<b>Height</b>	1.4 in (35.3 mm)
<b>Width</b>	1.9 in (47.1 mm)
<b>Depth</b>	2.3 in (58.4 mm)
<b>Product Weight</b>	3.7 oz (105 g)

## Environment

<b>Product Certifications</b>	UL CSA CE
<b>IP Degree of Protection</b>	IP20
<b>Ambient Air Temperature for Operation</b>	-40...176 °F (-40...80 °C)
<b>Ambient Air Temperature for Storage</b>	-40...257 °F (-40...125 °C)

## Ordering and shipping details

<b>Category</b>	US10CP221127
<b>Discount Schedule</b>	0CP2
<b>GTIN</b>	3606480277375
<b>Returnability</b>	No
<b>Country of origin</b>	CN

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Number of Units in Package 1</b>	1
<b>Package 1 Height</b>	2.00 in (5.08 cm)
<b>Package 1 Width</b>	2.70 in (6.86 cm)
<b>Package 1 Length</b>	1.60 in (4.06 cm)
<b>Package 1 Weight</b>	0.26 lb(US) (0.12 kg)


## Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing "Use Better, Use Longer, Use Again" campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

### Use Better

 <b>Materials and Substances</b>	
Packaging without single use plastic	Yes
<a href="#">EU RoHS Directive</a>	Pro-active compliance (Product out of EU RoHS legal scope)
SCIP Number	134201bc-d293-4667-9cca-10a7f11729e0
California proposition 65	<b>WARNING:</b> 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>

### Use Again

 <b>Repack and remanufacture</b>	
WEEE	 The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.

Connections and Schema

Connections and Wiring Diagrams

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