

Product data sheet

Specifications



Relay, SE Relays, solid state, SPST NO, 25A, 48V to 530V AC, 3V to 32V DC Uc, triac AC zero cross, screw terminal

6425AXXTZS-DC3

⚠ Discontinued on: Aug 7, 2023

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

Main

Range	Legacy
Product Type	Solid state relay
maximum output current	25 A AC
Mounting Support	Panel
Network Number of Phases	1 phase
Output Voltage	48...530 V AC
Control Circuit Voltage	3...32 V DC

Complementary

Holding Current	20 mA
Input Current Limits	15 mA 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	Triac output Zero voltage switching
Surge Current	250 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 I²t for fusing	4150 A².s
Leakage Current	1 mA at off-state
DV/dt	500 V/μs off-state at maximum rated voltage

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

Disclaimer: 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

Response Time	0.5 cycle (turn-on, turn-off)
Dielectric Strength	4000 V between input and ground 4000 V between output and ground 4000 V between input and output
Height	1.4 in (35.3 mm)
Width	1.9 in (47.1 mm)
Depth	2.3 in (58.4 mm)
Product Weight	3.7 oz (105 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

Category	US10CP221127
Discount Schedule	0CP2
GTIN	3606480277481
Returnability	No

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	2.280 in (5.791 cm)
Package 1 Width	1.738 in (4.414 cm)
Package 1 Length	1.41 in (3.59 cm)
Package weight(Lbs)	3.05 oz (86.5 g)

Contractual warranty

Warranty (in months)	18
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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

Materials and Substances	
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
SCIP Number	134201bc-d293-4667-9cca-10a7f11729e0
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

Use Longer

Lifetime extension	
Repair	No

Connections and Schema

Connections and Wiring Diagrams

