

Product data sheet

Specifications



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

6425BXXTZB-DC3

! Discontinued

! Discontinued on: Dec 1, 2023

Product availability: Stock - 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	3.5...32 V DC

Complementary

Holding Current	80 mA
Input Current Limits	16 mA DC typical
Switch Function	DPST
Contacts Type and Composition	NO
Tightening Torque	10 lb.in for input 20 lb.in for output
Connections Terminals	Input blade terminal 1 x 4.74 mm ² Output blade terminal 1 x 6.35 mm ²
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	1.2 °C/W
Maximum I ² t for fusing	200 A ² .s 8.3 ms
Leakage Current	10 mA
DV/dt	250 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) 0.5 cycle (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	3.05 oz (86.5 g)

Environment

Product Certifications	UL CSA CE
IP Degree of Protection	IP20
Ambient Air Temperature for Operation	-22...176 °F (-30...80 °C)
Ambient Air Temperature for Storage	-40...212 °F (-40...100 °C)

Ordering and shipping details

Category	US10CP221127
Discount Schedule	0CP2
GTIN	3606480277498
Returnability	No
Country of origin	IN

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	2.00 in (5.08 cm)
Package 1 Width	2.70 in (6.86 cm)
Package 1 Length	1.60 in (4.06 cm)
Package 1 Weight	0.2 lb(US) (0.1 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

 Materials and Substances	
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 Again

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

