

Product data sheet

Specifications



Relay, SE Relays, solid state, DPST
NO, 40A, 48...530 VAC, 3...32 VDC
Uc, SCR AC zero cross, blade
terminal

6440BXSZB-DC3

! Discontinued

! Discontinued on: Aug 7, 2023

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

Main

Range	Legacy
Product Type	Solid state relay
maximum output current	40 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	250 mA
Input Current Limits	16 mA at 5 V 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
Switching Device	SCR output Zero voltage switching
Maximum Peak Voltage	800 V
Surge Current	650 A 16.6 ms
Must Release Voltage	1 V
Voltage Drop	<1.6 V on-state AC
Power Factor	1
Insulating Resistance	1 GΩ
Thermal Resistance	0.9 °C/W
Maximum I ² t for fusing	1350 A ² .s
Leakage Current	10 mA
DV/dt	475 V/μs off-state
Response Time	10 ms (turn-on, turn-off)

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

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

Ordering and shipping details

Category	US10CP221127
Discount Schedule	0CP2
GTIN	3606481106353
Returnability	No

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	2.30 in (5.84 cm)
Package 1 Width	1.85 in (4.71 cm)
Package 1 Length	2.30 in (5.84 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
SCIP Number	134201bc-d293-4667-9cca-10a7f11729e0
EU RoHS Directive	Compliant By Exemption
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

