Product data sheet

Specifications



Power relay, SE Relays, DPDT, 40A, 120 VDC, magnetic blowout, open type

199BX-14

Product availability: Stock - Normally stocked in distribution facility

Main

Product Type	Power relay
Switch Function	DPDT
Contact Composition	2 C/O
Contact Blow-out Type	Magnetic
Cover Type	Open cover

Complementary

Input Current	40 A
Short Circuit Current	3 kA
Associated Fuse Rating	50 A gG at 690 V coordination type 2 for power circuit
Average Pole Impedance	4 mOhm
Contacts Material	Silver alloy contacts
Wire Strip Length	0.3 in (8 mm)
Rated Operational Voltage	6...600 V AC 50-60 Hz 6...250 V DC
Minimum Switching Current	1000 mA 5 V AC/DC
Coil Resistance	6000 Ohm
Input voltage	110...125 V DC
Drop-out Voltage Threshold	>= 0.1 Uc AC/DC
Rated Operational Current	40 A at 300 V AC (on resistive load) conforming to UL 40 A at 28 V DC (on resistive load) conforming to UL 20 A at 110 V DC (on resistive load) conforming to UL 8 A at 220 V DC (on resistive load) conforming to UL 4 A at 325 V DC (on resistive load) conforming to UL 2 A at 500 V DC (on resistive load) conforming to UL
Power consumption in W	4 W DC
Power consumption in VA	10 VA AC
Voltage Range	0.85...1.1 Un AC/DC
Maximum Switching Voltage	600 V DC
Motor Power HP	2 hp 120...600 V AC 50/60 Hz
Connections Terminals	screw terminal - 1 x 0.009 in² (6 mm²)
Terminal Tightening Torque	10.6…15.05 lbf.in (1.2…1.7 N.m)

Environment

Ambient Air Temperature for Operation	-67…131 °F (-55…55 °C)

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

Ambient Air Temperature for Storage	-67…212 °F (-55…100 °C)
Product Certifications	UL Listed CSA CE
Electrical Durability	100000 cycles resistive DC load
Dielectric Strength	2200 V AC between coil and contact 2200 V AC between poles 1500 V AC between open contacts

Ordering and shipping details

Category	US10CP221127
Discount Schedule	0CP2
GTIN	3606480275937
Returnability	Yes
Country of origin	CN

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	2.54 in (6.46 cm)
Package 1 Width	3.13 in (7.94 cm)
Package 1 Length	2.31 in (5.88 cm)
Package weight(Lbs)	10.4 oz (295 g)
Unit Type of Package 2	BB1
Number of Units in Package 2	10
Package 2 Height	16.9 in (43 cm)
Package 2 Width	11.2 in (28.5 cm)
Package 2 Length	5.3 in (13.5 cm)
Package 2 Weight	7.39 lb(US) (3.35 kg)
Unit Type of Package 3	CAR
Number of Units in Package 3	30
Package 3 Height	35.04 in (89 cm)
Package 3 Width	17.9 in (45.5 cm)
Package 3 Length	7.3 in (18.5 cm)
Package 3 Weight	26.12 lb(US) (11.85 kg)

Contractual warranty

Warranty (in months)	18

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 >

Environmental footprint

Environmental Disclosure	Product Environmental Profile

Use Better

Materials and Substances

Packaging made with recycled cardboard	Yes
Packaging without single use plastic	No
EU RoHS Directive	Compliant
REACh Regulation	Free of Substances of Very High Concern above the threshold
California proposition 65	WARNING: This product can expose you to chemicals including: Nickel compounds, which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

Use Longer

Lifetime extension

Repair	No

Use Again

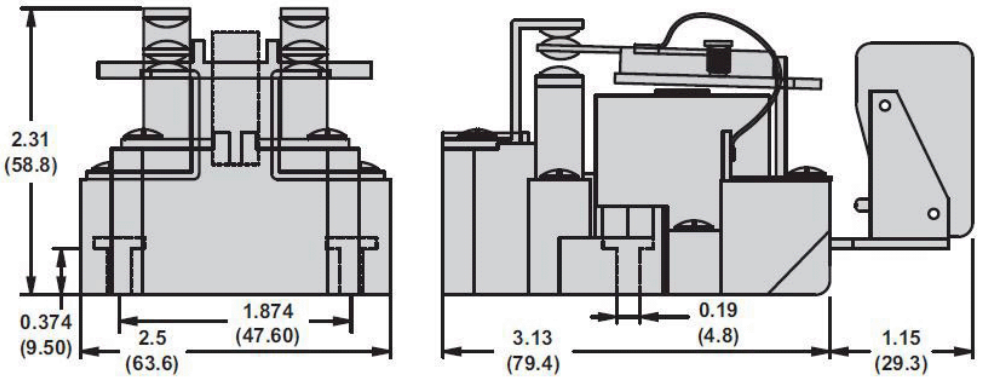
Repack and remanufacture

Circularity Profile	No need of specific recycling operations
Take-back	No

Dimensions Drawings

Approximate Dimensions

DPDT – Long Base (shown w/optional Auxiliary Switch)



Connections and Schema

Connections and Wiring Diagrams

