

# Product data sheet

## Characteristics

# 199BX-12

Power relay, SE Relays, DPDT, 40A, 12 VDC,  
magnetic blowout, open type



### 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
Contacts Material	Silver alloy contacts
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	70 Ohm
Input voltage	12 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
Wire Range	AWG 14
Terminal Tightening Torque	10.62...15.05 lbf.in (1.2...1.7 N.m)

### Environment

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

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## Ordering and shipping details

GTIN	3606480275913
Nbr. of units in pkg.	1
Package weight(Lbs)	10.41 oz (295.0 g)

## Packing Units

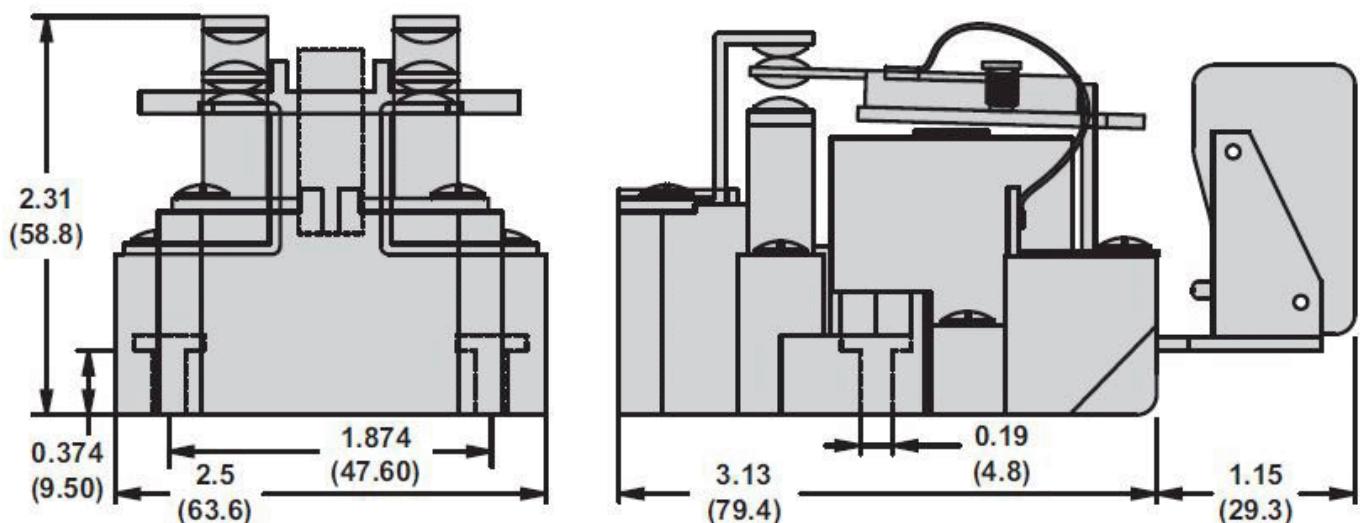
Unit Type of Package 1	PCE
Package 1 Height	2.50 in (6.36 cm)
Package 1 width	3.13 in (7.94 cm)
Package 1 Length	2.31 in (5.88 cm)
Unit Type of Package 2	BB1
Number of Units in Package 2	10
Package 2 Weight	8.05 lb(US) (3.65 kg)
Package 2 Height	4.92 in (12.5 cm)
Package 2 width	11.22 in (28.5 cm)
Package 2 Length	16.93 in (43 cm)
Unit Type of Package 3	CAR
Number of Units in Package 3	30
Package 3 Weight	27.67 lb(US) (12.55 kg)
Package 3 Height	6.69 in (17 cm)
Package 3 width	18.11 in (46 cm)
Package 3 Length	35.43 in (90 cm)

## Offer Sustainability

Sustainable offer status	Green Premium product
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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>
REACH Regulation	 <a href="#">REACH Declaration</a>
REACH free of SVHC	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)  <a href="#">EU RoHS Declaration</a>
Toxic heavy metal free	Yes
Mercury free	Yes
RoHS exemption information	 Yes
China RoHS Regulation	 <a href="#">China RoHS Declaration</a>
Environmental Disclosure	 <a href="#">Product Environmental Profile</a>
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.

Approximate Dimensions

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



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Connections and Wiring Diagrams

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