Product data sheet
Characteristics

300XBXC1-12D
Power Relay, DPDT, side flange cover, quick connections terminals, 30A, 12V DC, 2NO + 2NC



Main

Product Type	Power relay
Switch Function	DPDT
Contact Composition	2 NO + 2 NC

Complementary

Input Current	30 A
Contacts Material	Silver alloy contacts
Minimum Switching Current	500 mA 5 V DC
Coil Resistance	57 Ohm
Input voltage	12 V DC
Drop-out Voltage Threshold	>= 0.1 Uc DC >= 0.15 Uc AC
Rated Operational Current	30 A at 300 V AC (at nominal load) conforming to UL 15 A at 600 V AC (at nominal load) conforming to UL 30 A at 28 V DC (on resistive load) conforming to UL 5.5 A at 120 V AC (on pilot duty) conforming to UL 1.2 A at 600 V AC (on pilot duty) conforming to UL
Power consumption in W	1.8 W DC
Voltage Range	0.8...1.1 Un DC
Maximum Switching Voltage	600 V AC
Motor Power HP	1 Hp 120 V AC 50/60 Hz 2 Hp 208/240 V AC 50/60 Hz 2 hp 480/600 V AC 50/60 Hz
Connections Terminals	Quick
Mounting	Flange
Height	2.9 in (73.6 mm)
Width	1.5 in (37.8 mm)
Depth	1.4 in (34.5 mm)
Product Weight	3.0 oz (85 g)

Environment

Ambient Air Temperature for Operation	-40…131 °F (-40…55 °C)
Ambient Air Temperature for Storage	-40…185 °F (-40…85 °C)
Product Certifications	UL[RETURN]CSA
Electrical Durability	100000 cycles
Mechanical Durability	5000000 cycles
Dielectric Strength	4000 V AC between coil and contact 2500 V AC between poles 2500 V AC between contacts

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein.
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.
It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof.
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Ordering and shipping details

Category	US10CP221127
Discount Schedule	0CP2
GTIN	3606480276293
Returnability	No
Country of origin	CN

Packing Units

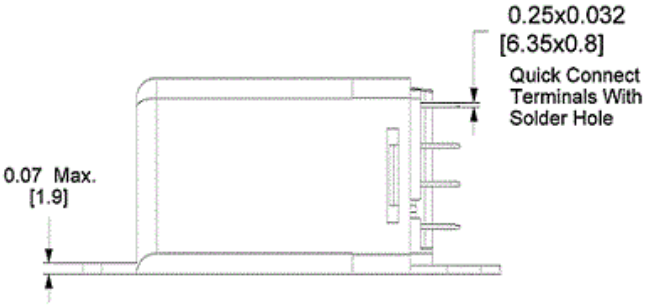
Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	1.400 in (3.556 cm)
Package 1 Width	1.600 in (4.064 cm)
Package 1 Length	3.0000000000 in (7.62 cm)
Package 1 Weight	3.200 oz (90.719 g)

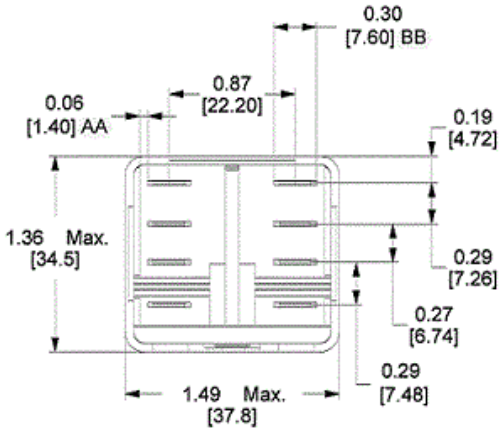
Offer Sustainability

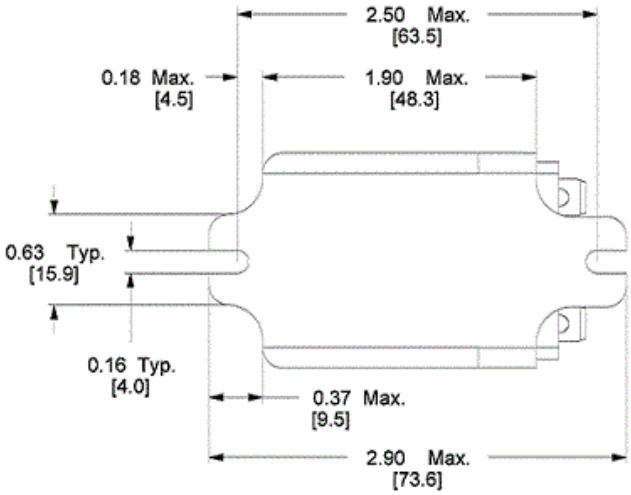
California proposition 65	WARNING: This product can expose you to chemicals including: Nickel compounds, which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov
REACh Regulation	REACh Declaration
REACh free of SVHC	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Toxic heavy metal free	Yes
Mercury free	Yes
China RoHS Regulation	China RoHS Declaration
RoHS exemption information	Yes
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.

300XBXC1-12D

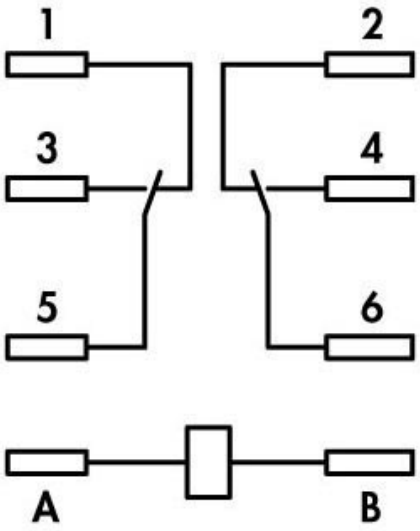
Approximate Dimensions







Connections and Wiring Diagrams



XBX DPDT