

Product data sheet

Specifications



Power Relay, DPDT, side flange cover, quick connections terminals, 30A, 24V DC, 2NO + 2NC

300BXC1-24D

Product availability: Stock - Normally stocked in distribution facility

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	300 Ohm
Input voltage	24 V DC
Drop-out Voltage Threshold	$\geq 0.1 U_c$ DC $\geq 0.15 U_c$ 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	2.3 W DC
Power consumption in VA	3.4 VA AC
Voltage Range	0.8...1.1 U_n 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)

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

Product Certifications	UL 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

Ordering and shipping details

Category	US10CP221127
Discount Schedule	0CP2
GTIN	3606480276323
Returnability	Yes
Country of origin	CN

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	1.50 in (3.81 cm)
Package 1 Width	1.50 in (3.81 cm)
Package 1 Length	3.00 in (7.62 cm)
Package 1 Weight	3.200 oz (90.719 g)

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

Carbon footprint (kg CO2 eq, Total Life cycle) 54

Environmental Disclosure [Product Environmental Profile](#)

Use Better

Materials and Substances

Packaging without single use plastic Yes

[EU RoHS Directive](#) Pro-active compliance (Product out of EU RoHS legal scope)

REACH Regulation [REACH Declaration](#)

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 Again

Repack and remanufacture

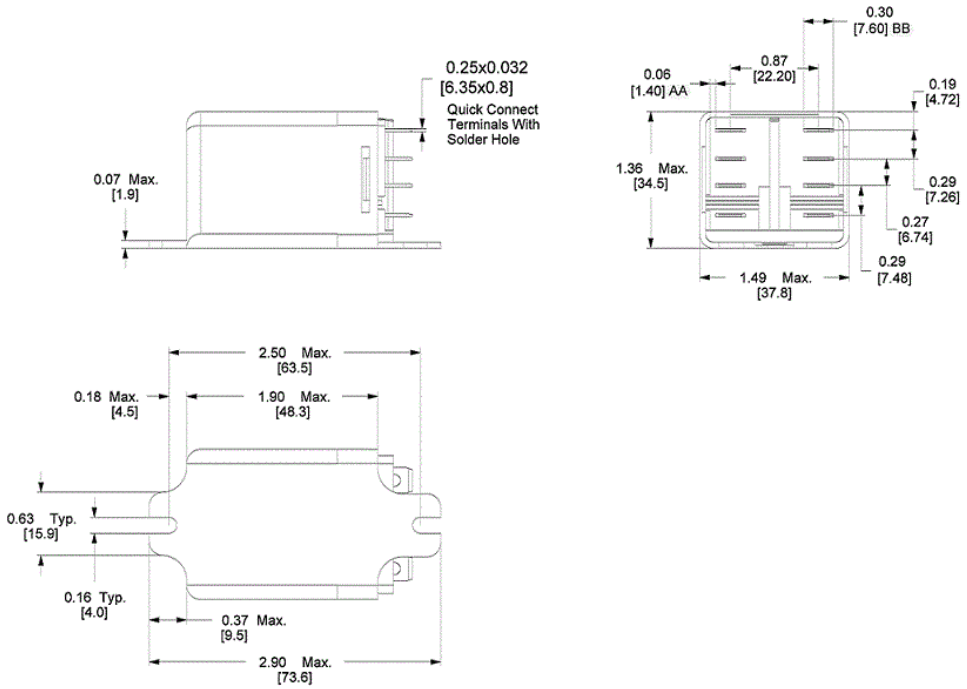
Circularity Profile [End of Life Information](#)

Take-back No

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

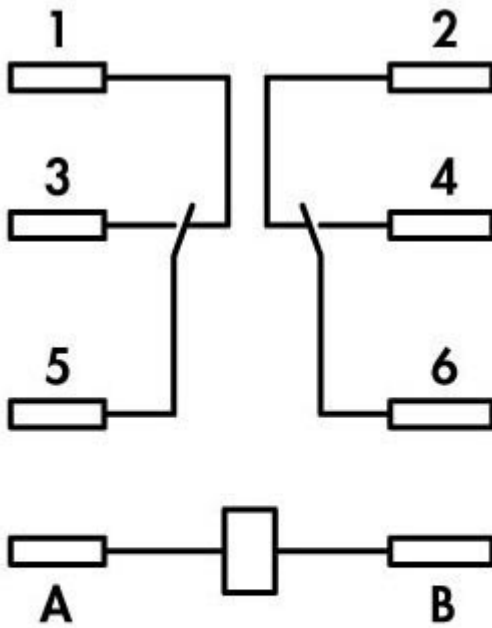
Dimensions Drawings

Approximate Dimensions



Connections and Schema

Connections and Wiring Diagrams



XBXC DPDT

Image of product / Alternate images

Alternative

