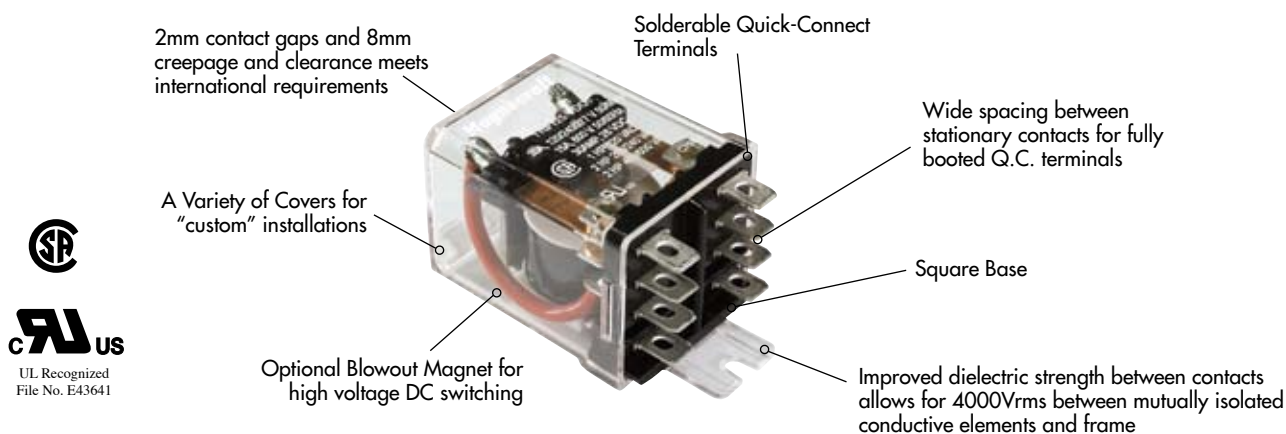


300 Series Power Relays/Two Pole 30 Amp Rating (DC and AC)



UL Recognized
File No. E43641

General Specifications

(UL 508)

Contact Characteristics		Units	Standard	
Number and type of Contacts			SPST, SPDT, DPST, DPDT	SPST-NO-DM
Contact materials			Silver Alloy	Silver Alloy
Thermal (Carrying) Current		A	30	30
Maximum Switching Voltage		V	600V	600V
Switching current @ voltage		~ Resistive	30A @ 300V 50/60Hz	30A @ 300V 50/60Hz
		⎓ Resistive	30A @ 28V	30A @ 28V
		HP	2 @ 208-600 VAC	2 @ 208-600 VAC
		HP	1 @ 120 VAC	1 @ 120 VAC
		Pilot Duty	5.5 A @ 120 VAC	5.5 A @ 120 VAC
Current rating with magnetic blowout		A	3 @ 150V ('69' Suffix)	10 @ 150V ('69' Suffix)
Minimum Switching Requirement		mA	500 @ 12 VAC/VDC	500 @ 12 VAC/VDC
Minimum				
Coil Characteristics				
Voltage Range		~ V	6...240	6...240
		⎓ V	6...125	6...125
Operating Range		~	85% to 110%	85% to 110%
% of Nominal		⎓	80% to 110%	80% to 110%
Average consumption		~ VA	3.4	3.4
		⎓ W	1.5	1.5
Drop-out voltage threshold		~	30%	30%
		⎓	10%	10%
Performance Characteristics				
Electrical Life (UL 508)		(Resistive)	30,000	30,000
Mechanical Life		Operations @ Rated Current	5,000,000	5,000,000
Operating time (response time)		Unpowered	ms	20
Dielectric		~ V	2500	2500
		~ V	4000	4000
		~ V	2500	2500
		Between coil and contact		
		Between poles		
		Between contacts		
Environment				
Product certifications			UL, CSA	UL, CSA
Ambient air temperature around the device		Standard version	°C	-40...+85
		Storage	°C	-40...+55
Weight		Operation	grams	85

Part Number Builder

300 Series	Configuration	DC Switching Option
300 = Standard	XAX = SPDT	69 = Magnetic Blowouts near contacts
F300 = Class F Coil	BXX = DPST-NO	
	XBX = DPDT	
	XXB = DPST-NC	
	HXX = SPST-NO-DM	



300XBXC1



Available DIN rail mountable cover

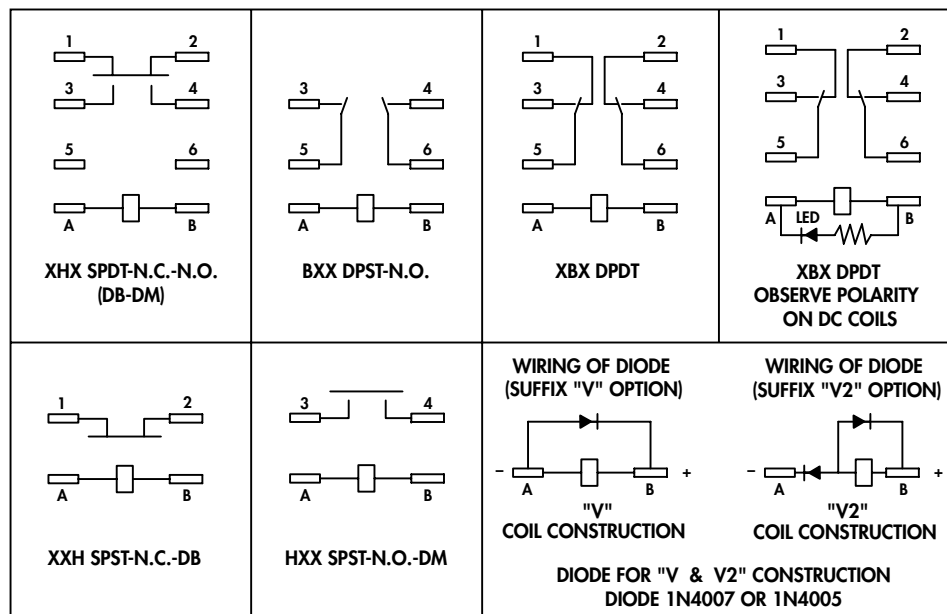
300XBXC4

Standard Part Numbers

BOLD-FACED PART NUMBERS ARE NORMALLY STOCKED

Nominal Input Voltage	Coil Resistance (OHMS)	Part Number	Contact Configuration
220/240 VAC, 50/60 Hz	5400 Ω	300XBXC1-240A	DPDT
110/120 VAC, 50/60 Hz	1270 Ω	300XBXC1-120A	DPDT
24 VAC, 50/60 Hz	54 Ω	300XBXC1-24A	DPDT
12 VAC, 50/60 Hz	13.5 Ω	300XBXC1-12A	DPDT
110/125 VDC	6300 Ω	300XBXC1-110D	DPDT
24 VDC	300 Ω	300XBXC1-24D	DPDT
12 VDC	75 Ω	300XBXC1-12D	DPDT
110/125 VDC	6300 Ω	300XB69C1-110D	DPDT
24 VDC	300 Ω	300XB69C4-24D	DPDT
12 VDC	75 Ω	300XB69C1-12D	DPDT

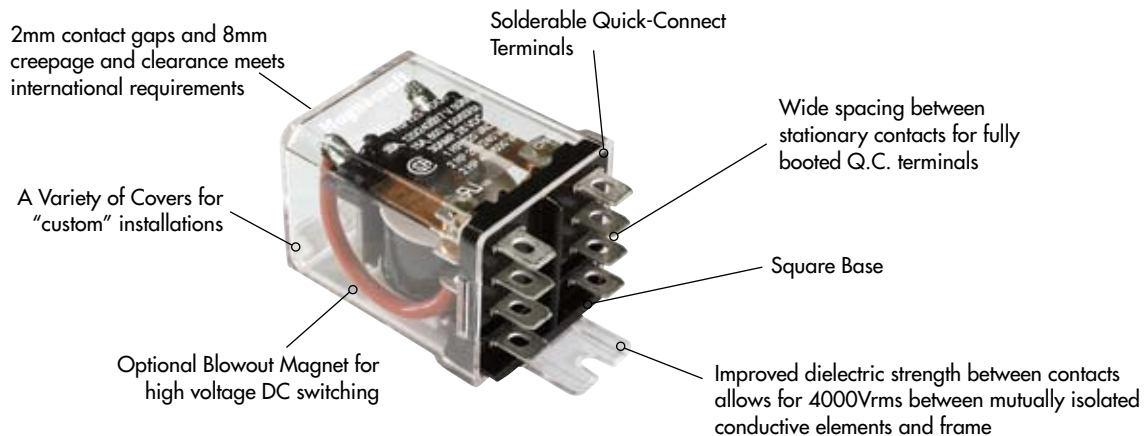
WIRING DIAGRAMS



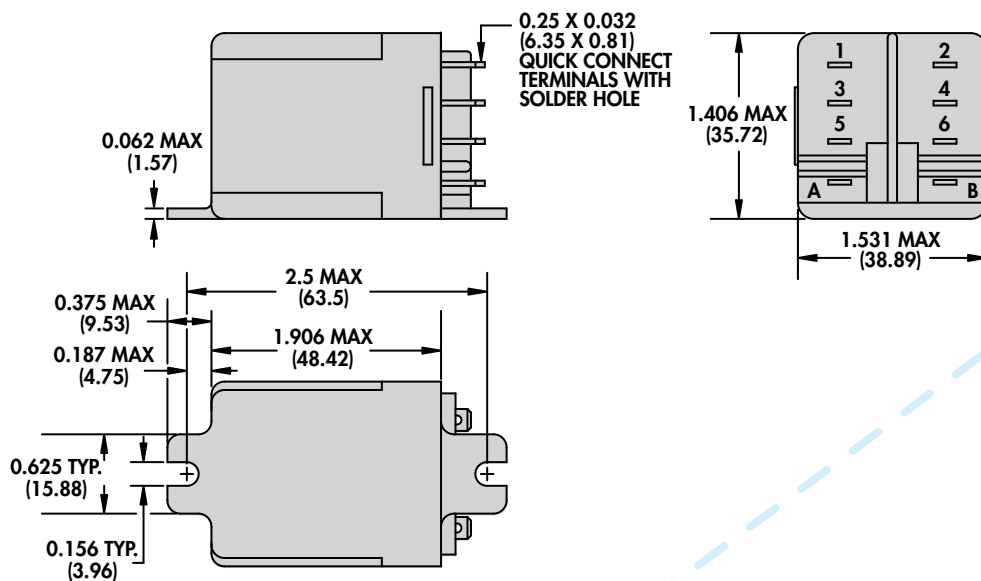
C1 Cover	Options*	-12 Coil Voltage	D Current Type
C = Clear polycarbonate cover (To be used with PC Terminals)	M = Manual Operator	Coil Voltage	A = AC
C1 = Side flange mount cover	L = Lamp across contacts		D = DC
C2 = Cover with anti-rotation tabs and thread mounting hole in frame	T = Printed wiring terminals		
C3 = Top flanged cover			
C4 = Top DIN mount cover			

*Multiple Codes May be Used

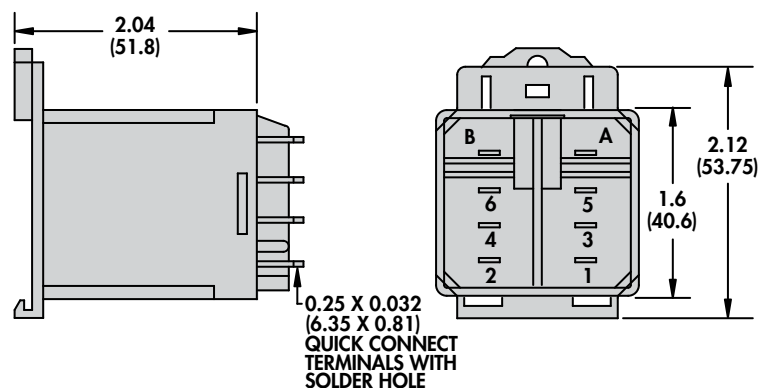
300 Series Power Relays/Two Pole 30 Amp Rating (DC and AC) *continued*



SIDE MOUNTING COVER STYLE



DIN RAIL MOUNTED STYLE



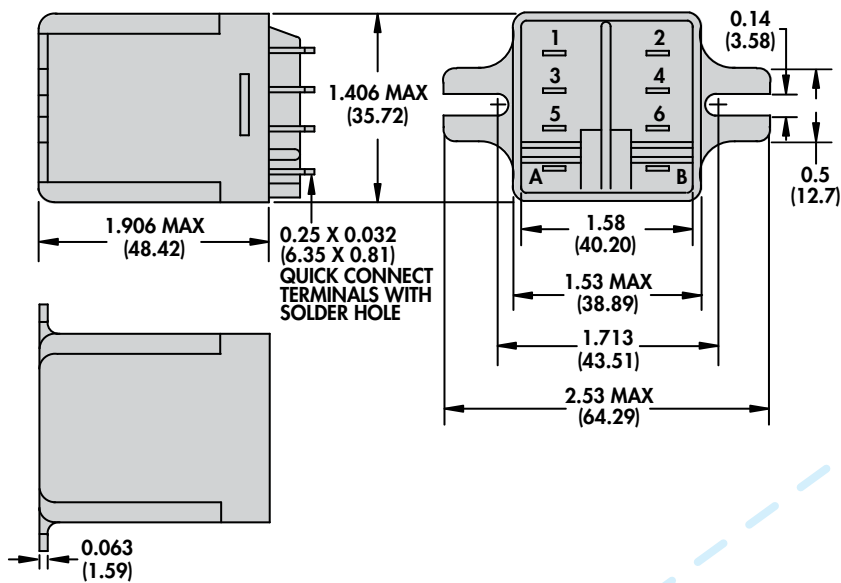


300XBC1

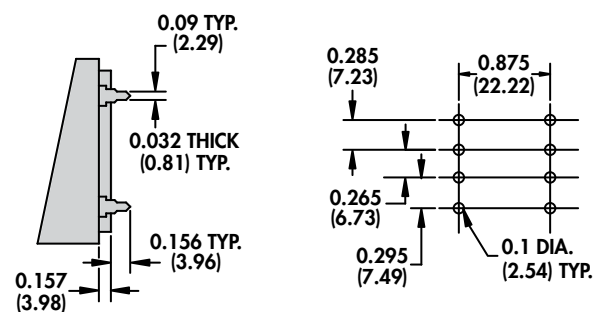


300XBC4

TOP FLANGE COVER STYLE



PRINTED CIRCUIT TERMINAL



Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Schneider Electric:

[300XBXC1-120A](#) [300XBXC1-24D](#) [300XBXC1-24A](#) [300XBXC1-12D](#) [300XBXC4-24D](#) [300XBXC1-240A](#) [300XBXC4-120A](#) [300XBX69C1-24D](#)