

415 Series - Screw Terminal SPDT, DPDT, 15 Amps



The 415 series is a compact, 15 Amp base mounted industrial relay. It is a versatile relay that offers a variety of contact configurations and options. Excellent contact life assures long mechanical life and contact reliability on low level loads. Screw terminals are standard. Options include: high voltage or high inrush contacts, quick connect terminals, permanent magnet blowout and low power DC coils.

GENERAL SPECIFICATIONS (@ 25° C)

Contact Configuration DPDT Contact Material Silver Allov Contact Rating 120 / 240VAC Resistive 15 Amp

28VDC Resistive 15 Amp Motor 120VAC 1 Phase 1/2Hp Motor 240VAC 3 Phase 1Hp

Contact Resistance, Initial 50 milliohms max. @ 6VDC

Coil:

Coils Available AC and DC Nominal Coil Power AC: 6VA, DC: 3.5W Input Voltage Tolerance - AC 85% to 110% of nominal Input Voltage Tolerance - DC 80% to 110% of nominal Drop-out voltge 10% of nominal Duty Continous

Timing:

Operate Time (max) 25 mS Release Time (max) 10 mS

Dielectric Strength:

Across Open Contacts 1,000Vrms Between mutually insulated point 1,500Vrms Insulation resistance 1000 Mohms min. @ 500VDC

Temperature:

Operating AC: -40 to 55°C (-49 to 131°F) DC: -40 to 70°C (-49 to 158°F) Storage -40 to 105°C (-40 to 221°F)

Life Expectancy:

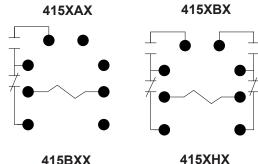
Electrical (full load) 200,000 Mechanical (no load) 20,000,000

Miscellaneous:

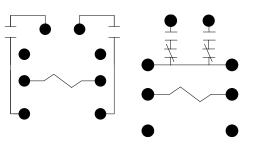
Mounting Position Vertical - Contacts Up Enclosure Open Weight 4.0 oz. (113 grams)



415 Wire Diagram (Top View)



415BXX



415HXX	415XXH
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General Purpose Relays

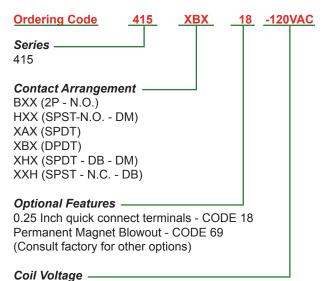
Coil Data

415 AC Coils Specifications				
mAmps @ nominal voltage				
Nominal Votages	Resistance	Inrush	Sealed	
(VAC)	ohms ± 10%	current	coil	
6	1.5	1800	1000	
12	6.3	900	500	
24	25	450	250	
48	100	225	125	
120	620	90	50	
240	2500	45	25	

415 DC Coils Specifications				
mAmps @ nominal voltage				
Nominal Votages	Resistance	Coils	Coils	
(VDC)	ohms ± 10%	Cold	Hot	
6	10	600	500	
12	40	300	250	
24	155	150	125	
32	390	112	95	
48	620	75	62	
115/125	4000	31	26	

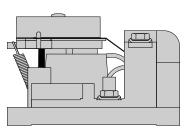
2.75 (69.8) 2.35 (59.6) \bigcirc 1.50 (38.1) (F) 1.87 (47.4) \bigcirc 4 Holes 0.18 ± .005 DIA (4.5 ± .13)

Outline Dimensions Dimensions Shown in inches & (millimeters)



AC: 6, 12, 24, 48, 120, 240, (Add VAC) DC: 6, 12, 24, 32, 48, 115-125, (Add VDC) Coil voltages and frequencies must be specified

Special coils: Low power (mW), series coils High inrush contacts: 10 Amps continuous, 150 Amp inrush. High voltage contacts: Up to 4KV





Vertical mounting recommended with contacts up