8 Series - Screw Terminal Relay

1 - 4 Poles, 30 - 40 Amp

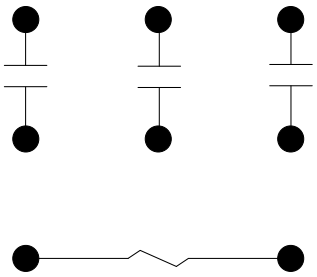
E13224

The 8 series is a general purpose power relay. It is base mounted with screw terminals, front connected, and has 600 volt spacing. The 8 series is supplied with continuous duty coils, and is suitable for applications ranging from supervisory and interlocking functions to control of small motors, heaters, solenoids or for transferring power from a main auxiliary supply or load.

GENERAL SPECIFICATIONS (@ 25° C)

Contacts:	
Contact Configuration	Up to 3PDT
Contact Material	Silver
Contact Rating	
120 / 240VAC Resistive	30 Amp
28VDC Resistive	30 Amp
Contact Resistance, Initial	50 milliohms max @ 6VDC
Coil:	
Coils Available	AC and DC
Nominal Coil Power	15VA 7W
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	Continuous
Timing:	
Operate Time (max)	50ms
Release Time (max)	30ms
Dielectric Strength:	
Across Open Contacts	1500 VRMS
Between Mutally Insulated Points	2200 VRMS
Insulation Resistance	1000 megohms @ 500VAC
Temperature:	
Operating	-45 to 65°C (-49 to 149°F)
Storage	-40 to 105°C (-40 to 221°F)
Life Expectancy:	
Electrical (full load operations)	100,000
Mechanical (no load operations)	500,000
Miscellaneous:	
Mounting Position	Any
Enclosure	Open
Weight	16.8oz (476 grams)

8 Wire Diagram
(CXX Shown)

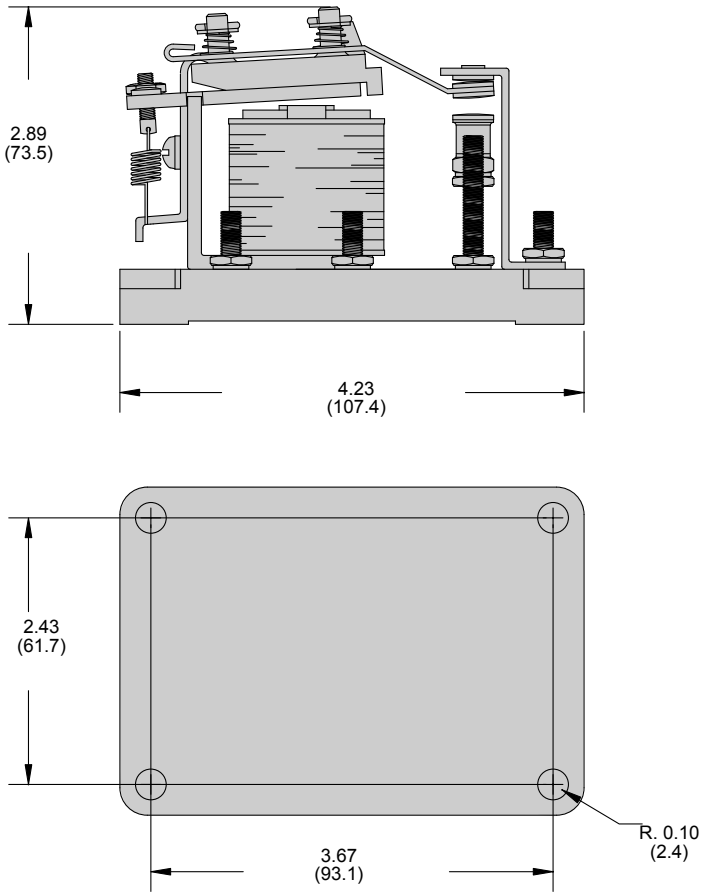


Power Relays

30 - 300 Amp

Outline Dimensions

Dimensions shown in inches & (millimeters)



Coil Data

Voltage	DC Coils Resistance ohms 7 Watts	60hz AC Coils Impedance ohms 15VA
12	15	9
24	60	38
120	1475	900
208	-	2700
240	6000	3300
440	-	14700
550	-	22000

Note: Other coils available on special order, including coils for connection in series with loads up to 30 Amps

Ordering Code 8 CXX 46 -120VAC

Series
8

Contact Arrangement
AXA (1 N.O. - 1 N.C.)
BBX (2 N.O. + 2 N.C.)
CXX (3 N.O.)
XAX (SPDT)
XXA (1 N.C.)
DXX (4PST - N.O.)

Continuous Duty Coils

Coil Voltage
AC: 12, 24, 120, 208 (Add VAC)
DC: 12, 24, 120, 240 (Add VDC)

Coil voltages and frequencies must be specified

Coil Specifications

	Double Break Contacts			Single Break Contacts		
Volts	24V	120V	240V	24V	120V	240V
AC (Amps)	30	30	30	30	30	30
DC (Amps)	30	6	3	30	3	0.75