



The 425 3 pole relay is capable of handling up to 30 Amp and 1HP loads. The 425 series (3 pole) has sufficient spacing to allow for 600VAC contact rating. The design features an enclosed coil, screw terminals, and silver alloy contacts as standard. The 425 has a wide choice of options to choose from.

### GENERAL SPECIFICATIONS (@ 25° C)

#### Contacts:

Contact Configuration	3PDT
Contact Material	Silver Alloy
Contact Rating	
120 / 240VAC Resistive	25 Amp
28VDC Resistive	30 Amp
Motor 120VAC 1 Phase	1Hp
Motor 240VAC 1 Phase	1Hp
Contact Resistance, Initial	50 milliohms max @ 6VDC

#### Coil:

Coils Available	AC and DC
Nominal Coil Power	11VA 4W
Input Voltage Tolerance - AC	85% to 110% of nominal
Input Voltage Tolerance - DC	80% to 110% of nominal
Drop-out voltage	10% of nominal
Duty	Continuous

#### Timing:

Operate Time (max)	30ms
Release Time (max)	15ms

#### Dielectric Strength:

Across Open Contacts	1500 VRMS
Between Mutally Insulated Points	2500 VRMS
Insulation Resistance	1000 megohms @ 500VAC

#### Temperature:

Operating	-55 to 45°C (-67 to 113°F)
Storage	-55 to 80°C (-67 to 176°F)

#### Life Expectancy:

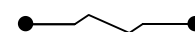
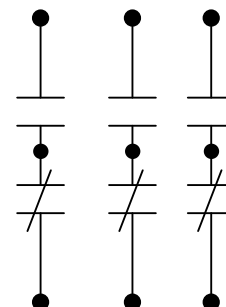
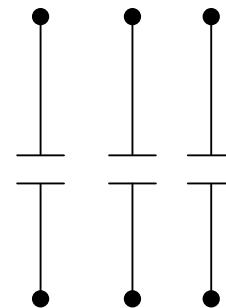
Electrical (full load operations)	100,000
Mechanical (no load operations)	10,000,000

#### Miscellaneous:

Mounting Position	Any
Enclosure	Open
Weight	9.0oz (250 grams)



425 Wire Diagram  
(Top View)



# Power Relays

## 30 - 300 Amp

### Outline Dimensions

Dimensions shown in inches & (millimeters)

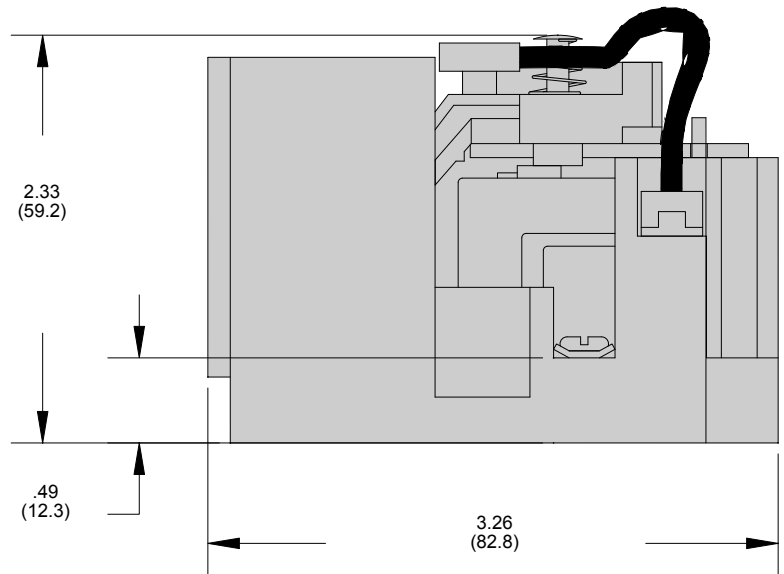
**Ordering Code** 425 XCX -120VAC

**Series**  
425

**Contact Arrangement**  
CXX (3PST - N.O.)  
XCX (3PDT)

**Optional Features**  
Tungsten contacts (high inrush) - CODE W  
0.25: Quick connect terminals - CODE 18  
1 Auxiliary contacts each SPDT - CODE 90  
2 Auxiliary contacts each SPDT - CODE 91

**Coil Voltage**  
AC: 6, 12, 24, 120, 240 (Add VAC)  
DC: 6, 12, 24, 115-125 (Add VDC)



### Contact Ratings

Load	30VDC	120-240VAC	277VAC	600VAC
General duty	30 Amp	25 Amp	17 Amp	10 Amp

### Coil Specifications

AC Coil, 50/60HZ		DC Coil	
Nomial Voltage	Resistance ohms (±10%)	Nomial Voltage	Resistance ohms (±10%)
12	1.8	12	35.5
24	6.7	24	142
48	27	48	568
120	170	-	2980
240	680	-	-
480	480	125	-