425 Series - Open Style Relay

3PDT, 30 Amp





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 Resistive25 Amp28VDC Resistive30 AmpMotor 120VAC 1 Phase1HpMotor 240VAC 1 Phase1Hp

Contact Resistance, Initial 50 milliohms max @ 6VDC

Coil:

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

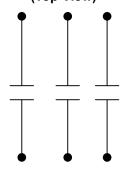
Electrical (full load operations) 100,000 Mechanical (no load operations) 10,000,000

Miscellaneous:

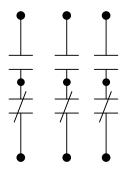
Mounting Position Any
Enclosure Open
Weight 9.0oz (250 grams)



425 Wire Diagram (Top View)









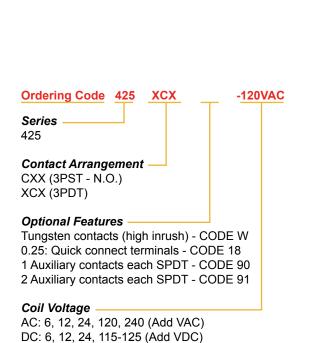


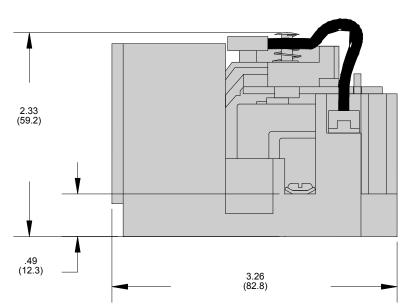
Power Relays

30 - 300 Amp

Outline Dimensions

Dimensions shown in inches & (millimeters)





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	-	

