

# 548 Series - Contactor

## 3PST - NO Double Make, 30 Amp

The 548 series is a contactor with 3 pole normally open - double make contacts rated up to 7.5HP. It uses a solenoid type moving core design which generates high contact forces. The coil is encapsulated for complete protection. Screw terminals are standard. Available as an option is a SPDT, 15 Amp, snap switch, auxiliary contact.

### GENERAL SPECIFICATIONS (@ 25° C)

#### Contacts:

Contact Configuration	3PST - N.O. - Double Make
Contact Material	Silver Alloy
Contact Rating	
120 / 240VAC Resistive	30 Amp
28VDC Resistive	30 Amp
Motor 120VAC 1 Phase	1.5Hp
Motor 240VAC 1 Phase	5Hp
Motor 480/600VAC 3 Phase	7.5HP
Contact Resistance, Initial	100 milliohms max @ 6VDC

#### Coil:

Coils Available	AC and DC
Nominal Coil Power	22VA 10W
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)	60ms
Release Time (max)	30ms

#### Dielectric Strength:

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

#### Temperature:

Operating	-40 to 50°C (-40 to 122°F)
Storage	-40 to 50°C (-40 to 122°F)

#### Life Expectancy:

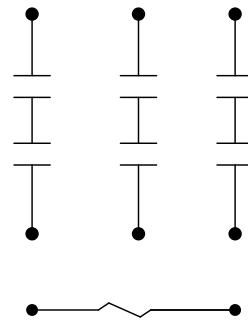
Electrical (full load operations)	100,000
Mechanical (no load operations)	5,000,000

#### Miscellaneous:

Mounting Position	Vertical - Contacts up
Enclosure	Plastic Contact Cover
Weight	26.4oz (748 grams)



548 Wire Diagram



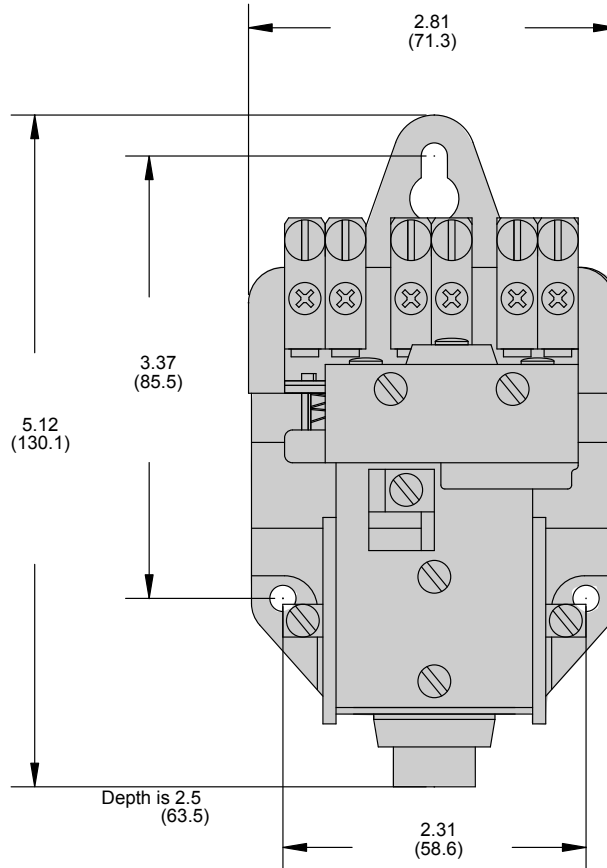
# Motor Relays

## 15 - 75 Amp

### Outline Dimensions

Dimensions shown in inches & (millimeters)

Mount in Position Shown



**Ordering Code**      **548**    **KXX**    **90**    **-120VAC**

**Series**  
548

**Contact Arrangement**  
KXX-3PST - N.O. - Double make

**Options**  
1 Form C Auxiliary contact - CODE 90 (snap switch)

**Coil Voltage**  
AC: 12, 24, 120, 240 (Add VAC)  
DC: 12, 24, 115-125, 230 (Add VDC)

### Coil Data

Voltage	AC, 50/60HZ		DC (10W)	
	mAmp	ohms	mAmp	ohms
12	1.833	1.00	.727	16.5
24	.917	5.30	.412	58.2
120	.183	92.0	.083	1450
240	.092	420	.055	4200
440	.050	2100	-	-
550	.040	3100	-	-