AC30 Series Contactor, 60 Amps, 600 VAC (50/60 Hz), 3 Form A (3PST-NO)

Product Facts

- **Designed to be the smallest, lowest cost contactor in the industry with its current rating**
- **Built-in coil economizer – only 1.7W hold power @ 12VDC and limits back EMF to zero volts**
- **Hermetically sealed – intrinsically safe, operates in explosive & harsh environments with no oxidation or contamination of coils or contacts, including long periods of non-operation.**

Submitted for UL and CE evaluation

For factory-direct application assistance, dial 800-253-4560, ext. 2055, or 805-220-2055.

Performance Data

Parameter	Units	Value for AC30 Series
Contact Arrangement		3 poles
Contact Form (per pole)		Form A (NO)
Rated Operating Voltage	V	600Vrms (L-L)
Max. Contact Voltage (transient)	V	600Vrms (L-N)
Continuous (Carry) Current	Arms	60/pole
Power Switching (0.7-1.0 PF)	Cycles	50 @ 60Arms 500 @ 10Arms 500 @ 30Arms 10,000 @ 10Arms 50,000 @ 5Arms
Mechanical Life	Cycles	1 million
Contact Voltage Drop (Max., Per Pole)	mV	120 @ 60Arms
Dielectric Withstanding Voltage	Vrms	2,200 @ sea level
Insulation Resistance @ 500VDC	Megohms	100
Shock, 11ms 1/2 sine, peak, operating	G	20
Vibration, sine, 80-2000Hz.	G	20
Operating Temperature	°C	-40 to +85
Storage Temperature	°C	-55 to +125
Ambient Humidity	%RH	0 to 95
Weight	lb.(kg)	.83 (.38)

Operate/Release Time (25°C)		
Operate Time (Includes bounce)	ms	16 nominal / 35 maximum
Bounce Time (After Operate)	ms	4 nominal / 11 maximum
Release Time (includes arcing)	ms	5 nominal / 8 maximum

Coil Operating Voltage (valid over temperature range)			
Voltage (will operate)	9-36VDC	32-95VDC	48-95VDC
Voltage (Max.)	36VDC	95VDC	95VDC
Pickup (close) Voltage Max.	9VDC	32VDC	48VDC
Hold Voltage (Min.)	7VDC	21VDC	33VDC
Dropout (open) Voltage (Min.)	6VDC	18VDC	27VDC
Inrush Current (Max.)	3.8A	1.3A	0.7A
Holding Current (Avg.)	0.13A@12V, 0.07A@24V	0.03A@48V	0.02A@72V
Inrush Time (Max.)	130ms	130ms	130ms

Part Numbering System

Typical Part Number	AC30	A	A	A	N	A

Series:
AC30 = Multipole, 60 Amp, 600VAC, 3-pole Contactor

Contact Form:
A = Normally Open

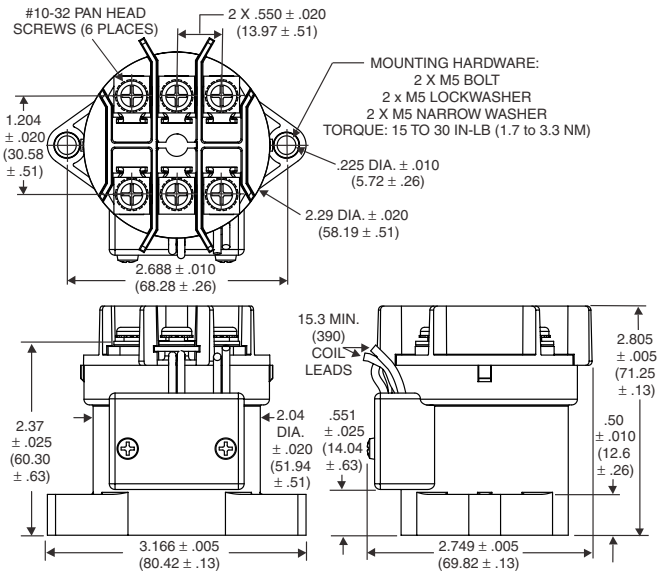
Coil Voltage:
A = 9-36VDC
B = 32-95VDC
J = 48-95VDC

Coil Wire Length:
A = 15.3 in (390 mm)

Coil Terminal Connector:
N = None

Mounting & Power Terminals:
A = Bottom Mount & #10-32 Pan Head Screws

Outline Dimensions



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Revised 3-13

www.te.com

Dimensions are shown for reference purposes only. Specifications subject to change.

Dimensions are in millimeters unless otherwise specified.

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For additional support numbers please visit www.te.com