

Features

• 3-pole contactors.

Convenient "universal" mounting plate.

Optional interlock/auxiliary switches available.

Contact Data @ 25°C

Arrangements: 3 Form X (3PST-NO-DM). Maximum Ratings: See Contact Ratings Table.

Material: Silver Cadmium Oxide.

Coil Data @ 25°C

Voltage: 24 - 480 VAC, 50/60 Hz. See Coil Data Table below.

Insulation Class: UL Class B (130°C).

Duty Cycle: Continuous.

Model 93 - 3100 series

Definite Purpose Contactor 3-pole, 50-60 FLA AC Coil

c**PA**°us File E75492

C € S File EN60947-4-1:1991

IEC 947-4-1

Users should thoroughly review the technical data before selecting a product part number. It is recommended that users also seek out the pertinent approvals files of the agencies/laboratories and review them to ensure the product meets the requirements for a given application.

Environmental Data

Temperature Range: Storage and Operating: -40°C – +65°C.

Flammability: UL 94-HB housing.

Mechanical Data Contact Termination:

Type: Box Lug with dual 0.250" (6.35 mm) quick connects.

Wire Size: 14-2 Cu/Al AWG Tightening Torque: 50 in.-lbs.

Coil Termination: Dual 0.250" (6.35 mm) guick connects, standard.

A 0.250" quick connect and a #6-32 screw, optional.

Arc Cover: Standard.

Weight: 32 oz. (910 g) approximately

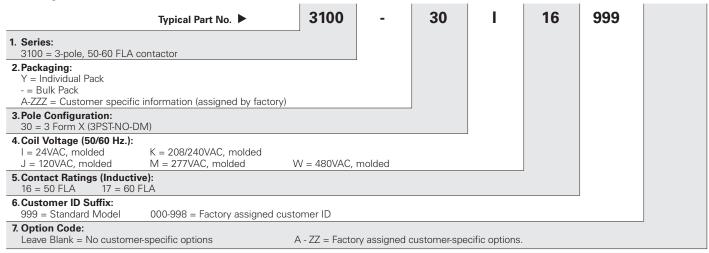
Contact Ratings

Full Load Amps	Number of Poles	Line Voltage	Locked Rotor Amps	Resistive Amps	Tungsten/ Ballast Amps	Maximum Horsepower		
						Voltage	Single Phase	Three Phase
50	3	240 480 600	300 250 200	65 65 65	- 53 -	110/120 200/208 240/277 480 600	3 7.5 10 -	- 15 15 25 25
60	3	240 480 600	360 300 240	75 75 75	- 53 -	110/120 200/208 240/277 480 600	5 7.5 10 -	25 25 30 30

Coil Data

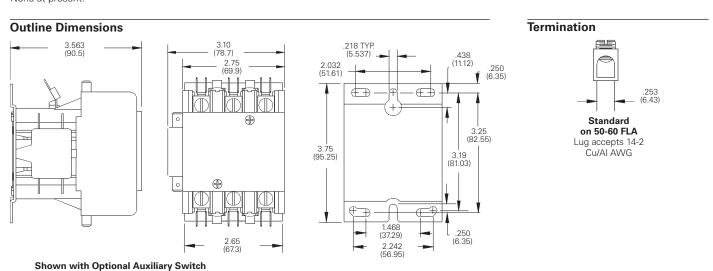
Nominal Coil Voltage	24	120	208/240	277	480
Maximum Pickup Volts	182	93	177	235	374
Drop-Out Volts Range	6 -15	20 - 70	40 - 135	50-180	120 - 286
Nominal Inrush VA @ 50 Hz	140	140	140	140	140
Nominal Inrush VA @ 60 Hz	132	132	132	132	132
Nominal Sealed VA @ 50 Hz	20	20	20	20	20
Nominal Sealed VA @ 60 Hz	14	14	14	14	14
Nominal DC Resistance - Ohms	2.4	45	180	280	852

Ordering Information

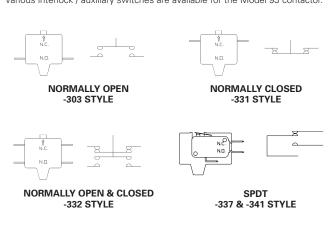


Standard part numbers listed below are more likely to be available from stock.

None at present.



Various interlock / auxiliary switches are available for the Model 93 contactor.



W/ #6-32 SCREW & SADDLE CLAMP -344 STYLE

Equipped with 0.250" (6.35) Quick Connect Terminals

Factory Modi	Field Added Kits				
Description	Contact Config.		Kit Catalog	Number of	
	NO	NC	Number	Kits Required	
Single unit interlock	1	0	34300-303	1	
configurations listed.	0	1	34300-331	1	
Maximum of two. Must	1	1	34300-332	1	
be same polarity.	2	0	34300-303	2	
See footnote (1) for ratings.	0	2	34300-331	2	
	2	2	34300-332	2	
SPDT Circuit	1	1	34300-337	1	
See footnote (2) for ratings.	2	2	34300-337	2	
SPDT Dry Circuit, 0.1 amp max.	1	1	34300-341	1	
Gold Flashed Contacts	2	2	34300-340	1	

Equipped with #6-32 Screw Terminals & Saddle Clamps

Factory Mod	Field Added Kits			
Description	Contac	t Config. NC	Kit Catalog Number	Number of Kits Required
Single unit interlock configurations listed. Maximum of two. Must	1 0 1	0 1 1	34300-342 34300-343 34300-344	1 1 1
be same polarity. (note 1)				

Footnotes: Ratings of Auxiliary Interlocks / Switches

(1) Contact Rating Single Circuit NO or NC and two circuit NO/NC:

120V <u>480V</u> 600V Break 3.0A 1.5A 0.75A 0.6A Make 30A 15A 7.5A 6A Continuous 10A 10A 10A 10A

(2) Contact Rating SPDT (337): 10A, 1/3 HP, 125 or 250 VAC 1/2A, 125 VDC; 1/4A, 250 VDC: 4A 120 VAC on Lamp Load