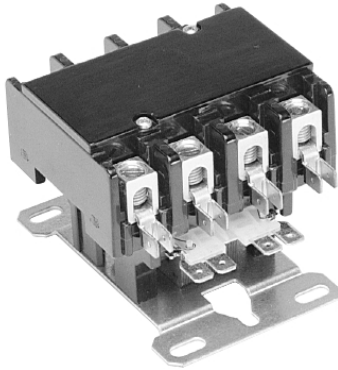




Model 93 - 3100 series

Definite Purpose Contactor 4-pole, 25-40 FLA AC Coil

UL File E75492

CE 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.

Features

- 4-pole contactors.
- Convenient "universal" mounting plate.
- Optional interlock/auxiliary switches available.

Contact Data @ 25°C

Arrangements: 4 Form X (4PST-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.

Environmental Data

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

Flammability: UL 94-HB housing.

Mechanical Data

Contact Termination:

25, 30 FLA Models

Type: #10-32 Screw with quad 0.250" (6.35 mm) quick connects.

Wire Size: 16-8 AWG (Stranding must be split for 8 AWG wire.)

Tightening Torque: 25 in.-lbs.

40 FLA Models

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

Wire Size: 14-4 Cu/Al AWG

Tightening Torque: 40 in.-lbs.

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

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

Arc Cover: Optional on 25-30 FLA models, standard on 40 FLA models.

Weight: 24 oz. (683 g) approximately

Contact Ratings

Full Load Amps	Number of Poles	Line Voltage	Locked Rotor Amps	Resistive Amps Rating	Maximum Horsepower		
					Voltage	Single Phase	Three Phase
25	3	240/277	150	35	110/120	2	-
		480	125	35	200/208	-	7.5
		600	100	35	240/277	5	10
					480	-	15
30	3	240/277	180	40	110/120	2	-
		480	150	40	200/208	-	10
		600	120	40	240/277	5	10
					480	-	15
40	3	240/277	240	50	110/120	3	-
		480	200	50	200/208	-	10
		600	160	50	240/277	7.5	10
					480	-	20

Coil Data

Nominal Coil Voltage	24	120	208/240	277	480
Maximum Pickup Volts	19.2	93	177	220	384
Drop-Out Volts Range	6 -15	20 - 70	40 - 140	50-185	150 - 270
Nominal Inrush VA @ 50 Hz	68	68	68	58	48
Nominal Inrush VA @ 60 Hz	60	60	60	52	52
Nominal Sealed VA @ 50 Hz	14	14	14	11	11
Nominal Sealed VA @ 60 Hz	9	9	9.5	9.5	9
Nominal DC Resistance - Ohms	5	148	520	750	2700

