

Model 96 - 3100 series

Definite Purpose Contactor 1- or 2-pole, 20-40 FLA AC Coil

 File E75492

 File EN60947-4-1:2010; EN60947-1:2007

 File LR49598

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

- Robust 1- and 2-pole contactors.
- Shunt available on 1-pole models.
- Convenient mounting plate.

Contact Data @ 25°C

Arrangements: 1 Form X (SPST-NO-DM) with or without shunt and 2 Form X (DPST-NO-DM).

Maximum Ratings: See Contact Ratings Table.

Material: Silver Cadmium Oxide.

Coil Data @ 25°C

Voltage: 24 - 277 VAC, 50/60 Hz. See Coil Data Table below.
(480 & 575VAC coils available upon request.)

Insulation Class: UL Class B (130°C).

Duty Cycle: Continuous.

Contact Ratings

Full Load Amps	Number of Poles	Line Voltage	Locked Rotor Amps	Resistive Amps Rating	Maximum Horsepower		
					Voltage	Single Phase	
20	2	240/277	120	30	120	2	
		480	100	30	240	3	
		600	80	30			
25	1	240/277	150	30	120	1	
		480	50	30	240	2	
		600	40	30			
25	2	240/277	150	35	120	2	
		480	125	35	240	3	
		600	100	35			
30	1	240/277	150	40	120	1	
		480	75	40	240	2	
		600	50	40			
30	2	240/277	150	40	120	2	
		480	125	40	240	3	
		600	100	40			
40	1	240/277	240	50	120	2	
		480	200	50	240	3	
		600	160	50			
40	2	240/277	240	50	120	2	
		480	200	50	240	3	
		600	160	50			

Coil Data

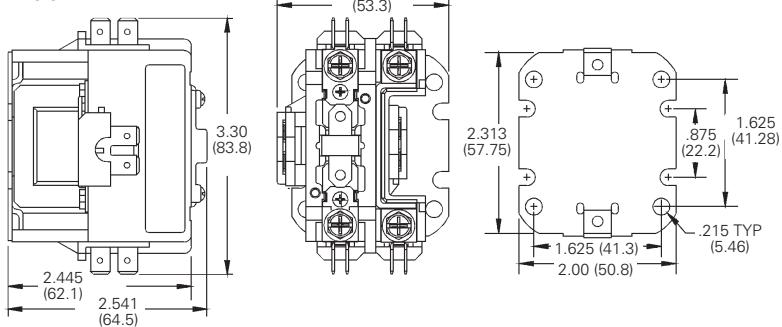
	1-Pole Models					2-Pole Models				
	Nominal Coil Voltage	24	120	208/240	277	24	120	208/240	277	
Maximum Pickup Volts	18	88	177	221	18	88	177	221		
Drop-Out Volts Range	6 - 15	20 - 70	40 - 140	50 - 165	6 - 15	20 - 70	40 - 140	50 - 165		
Nominal Inrush VA @ 50 Hz	22.5	22.5	22.5	22.5	37	37	37	37		
Nominal Inrush VA @ 60 Hz	20	20	20	20	35	35	35	35		
Nominal Sealed VA @ 50 Hz	7	7	7	7	8	8	8	8		
Nominal Sealed VA @ 60 Hz	5.25	5.25	5.25	5.25	7	7	7	7		
Nominal DC Resistance - Ohms ± 10%	16.5	440	1850	2250	11	250	1000	1600		

Ordering Information

Typical Part No. >	3100	-	20	Q	6	999	
1. Series: 3100 = 1- or 2-pole, 20-40 FLA contactor							
2. Packaging: Y = Individual Pack - = Bulk Pack A-ZZZ = Customer specific information (assigned by factory)							
3. Pole Configuration: 10 = 1 Form X (SPST-NO-DM) 15 = 1 Form X (SPST-NO-DM) with Shunt 20 = 2 Form X (DPST-NO-DM)							
4. Coil Voltage (50/60 Hz.): Q = 24VAC T = 120VAC U = 208/240VAC P = 100VAC S = 200VAC V = 277VAC							
5. Contact Ratings (Inductive): 1 = 25 FLA on 1-pole models 3 = 20 FLA on 2-pole models 2 = 30 FLA on 1-pole models 5 = 25 FLA on 2-pole models 14 = 35 FLA on 1-pole models 6 = 30 FLA on 2-pole models 19 - 40 FLA on 1-pole models 18 = 40 FLA on 2-pole models							
6. Customer ID Suffix: 999 = Standard Model 000-998 = Factory assigned customer ID							
7. Option Code: Leave Blank = No customer-specific options A - ZZ = Factory assigned customer-specific options.							

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

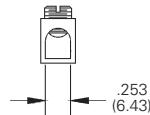
3100-15Q2999 3100-20Q6999 3100-20Q18999CL
 3100-15T2999 3100-20T6999 3100-20T18999CL
 3100-15U2999 3100-20U6999 3100-20U18999CL

Outline Dimensions
1-Pole

Termination Options

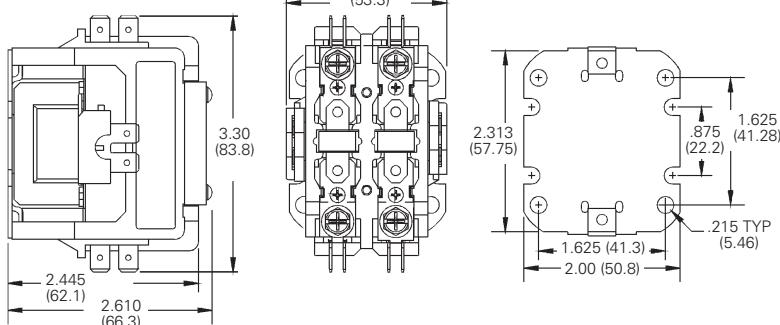

Standard
on 20, 25, 30, 35
FLA
#10-32 Combination
Phillips, Slotted &
5/16 Hex Head
#12 Washer



Special
on 20, 25, 30, 35 FLA
#10-32 Sems Screw
with Pressure Plate



Standard
on 40 FLA
Lug accepts 14-4
Cu/Al AWG

2-Pole


ORDERING NOTE: "Standard" terminals need not be specified in the "Ordering Information" chart above. "Special" terminals are offered on a special order basis.

Special order items may be subject to extended leadtimes and significant minimum order quantities. Your TE sales engineer must consult with the factory before providing price and availability information regarding items with these options.

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[3100-15U2999](#)