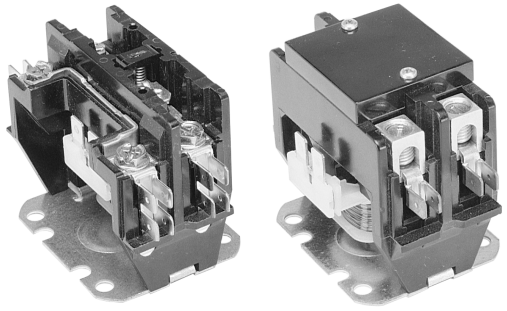

Model 96 - 3100 series

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.

Environmental Data
Temperature Range: Storage and Operating: -40°C – +65°C.
Flammability: UL 94-HB housing.

Mechanical Data
Contact Termination:
20, 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.
NOTE: Contactors with terminals of two-piece design are shipped with terminal screws left "up" to facilitate customer wiring. The customer must tighten the screws to the specified torque to achieve a good electrical connection.
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.
Arc Cover: Optional on 20-30 FLA models, standard on 40 FLA models.
Weight: One Pole Types: 8 oz. (227 g) approximately.
Two Pole Types: 9.6 oz. (273 g) approximately

Contact Ratings

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

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

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Datasheets and product data is subject to the terms of the disclaimer and all chapters of the 'Definitions' section, available at http://relays.te.com/definitions

Datasheets, product data, 'Definitions' section, application notes and all specifications are subject to change.

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

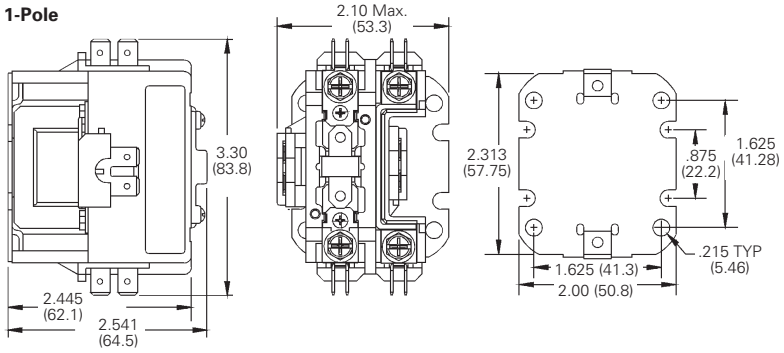
7. Option Code:
Leave Blank = No customer-specific options A - ZZ = Factory assigned customer-specific options.

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

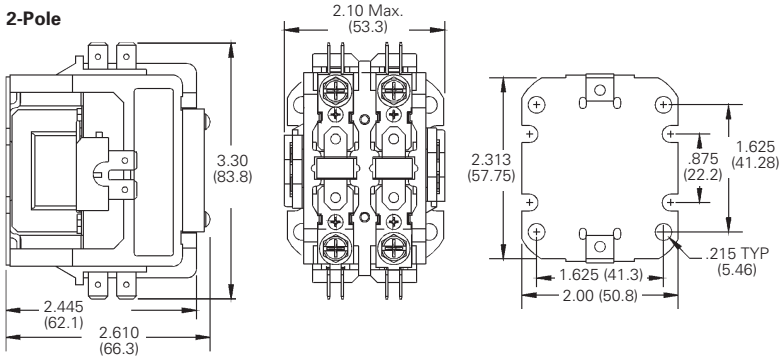
3100-15Q2999	3100-20Q6999	3100-20Q18999CL
3100-15T2999	3100-20T6999	3100-20T18999CL
3100-15U2999	3100-20U6999	3100-20U18999CL

Outline Dimensions

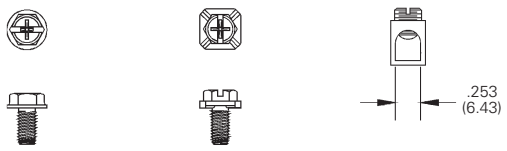
1-Pole



2-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

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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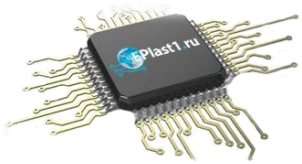
Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits,General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

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