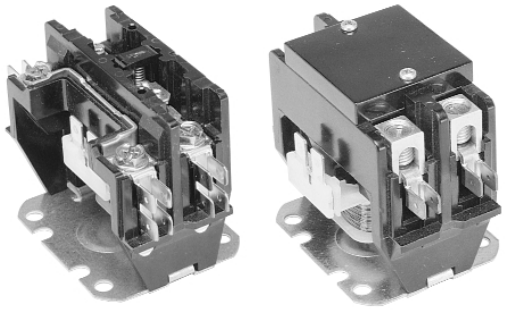


Model 96 - 3100 series

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

c UL us 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
- 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.
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.
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	16.5	420	1850	2650	11	250	1000	1600

Dimensions are shown for reference purposes only.
Dimensions are in inches over (millimeters) unless otherwise specified.
Specifications and availability subject to change.
www.tycoelectronics.com
Technical support:
Refer to inside back cover.

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 = 26 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

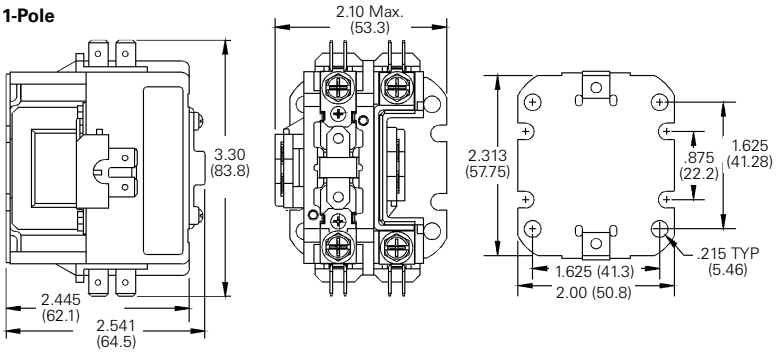
7. Option Code:
Leave Blank = No customer-specific options
A - ZZ = Factory assigned customer-specific options.

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

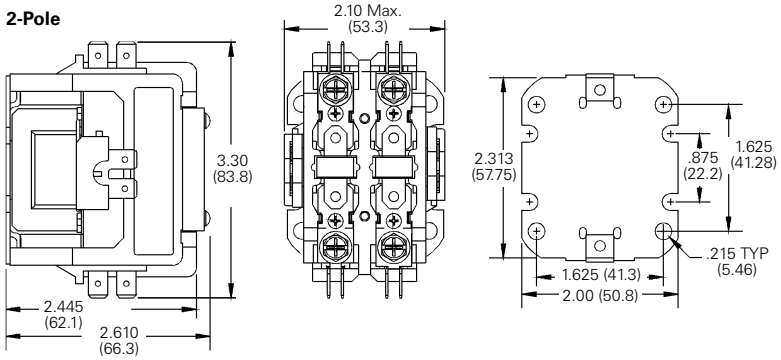
3100-15Q2999	3100-20Q6999	3100-20Q18999CL
3100-15T2999	3100-20T6999	3100-20T18999CL
3100-15U2999	3100-20U6999	3100-20U18999CL

Outline Dimensions

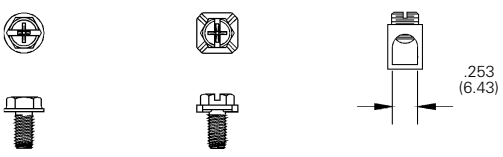
1-Pole



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 Tyco Electronics sales engineer must consult with the factory before providing price and availability information regarding items with these options.

Общество с ограниченной ответственностью «МосЧип» ИНН 7719860671 / КПП 771901001
Адрес: 105318, г.Москва, ул.Щербаковская д.3, офис 1107

Данный компонент на территории Российской Федерации

Вы можете приобрести в компании MosChip.

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

http://moschip.ru/get-element

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

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Офис по работе с юридическими лицами:

105318, г.Москва, ул.Щербаковская д.3, офис 1107, 1118, ДЦ «Щербаковский»

Телефон: +7 495 668-12-70 (многоканальный)

Факс: +7 495 668-12-70 (доб.304)

E-mail: info@moschip.ru

Skype отдела продаж:
moschip.ru
moschip.ru_4
moschip.ru_6
moschip.ru_9