

100SC43T14BC

Allen-Bradley 100SC Safety Contactor 22kW 3Pole 240VAC Coil
1NO 4NC Contact Auxiliary



SAFETY CONTACTORS



Allen-Bradley



Component type	Power contactor, AC switching
Range	100SC
Model	N/A
Product status	Existing

The Allen-Bradley Bulletin 100S-C safety contactors provide mechanically linked positively guided or mirror contact performance, required in the feedback circuits of modern safety applications.

ELECTRICAL

Number of normally open contacts as main contact	3
Number of normally closed contacts as main contact	0
Rated operation current I_e at AC-3, 400 V	43 A
Rated operation power at AC-3, 400 V	22 kW
Rated operation current I_e at AC-1, 400 V	85 A
Max. rated operation voltage U_e AC	690 V
Voltage type for actuating	AC
Control supply voltage U_s at AC 50HZ	240 V
Number of auxiliary contacts as normally open contact	1
Number of auxiliary contacts as normally closed contact	4
Rated operation current I_e at AC-3, 690 V	25 A
Rated operation power at AC-3, 690 V	22 kW
Rated operation power at AC-4, 400 V	6.3 kW
Control supply voltage U_s at AC 60HZ	277 V
Power consumption, AC coil pickup	135 VA
Power consumption, AC coil hold-in	13.3 VA
Type of electrical connection of main circuit	Screw connection
Rated operation current I_e at AC-4, 400 V	14 A

CONSTRUCTION

IP rating	IP20
Mounting method	DIN-rail/screw

DIMENSIONS

Height	81 mm
Width	63 mm
Depth	146 mm
Weight	0.59 kg

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DIMENSIONAL DIAGRAM

100S-C Contactors and Accessories

AC Contactors and DC Contactors with 12V or 24V Electronic Coils

Cat. No.	a	b	c	c1	c2	Ød	d1	d2
100S-C09...100S-C23	45 (1-25/32)	81 (3-3/16)	119.5 (4-3/4)	114.5 (4-43/64)	6 (15/64)	2 - 4.5 (2 - 3/16)	60 (2-23/64)	35 (1-3/8)
100S-C30, 100S-C37	45 (1-25/32)	81 (3-3/16)	136.5 (5-37/64)	131.6 (5-11/32)	6.5 (1/4)	2 - 4.5 (2 - 3/16)	60 (2-23/64)	35 (1-3/8)
100S-C43, 100S-C55	54 (2-1/8)	81 (3-3/16)	139.5 (5-11/16)	134.6 (5-29/64)	6.5 (1/4)	2 - 4.5 (2 - 3/16)	60 (2-23/64)	45 (1-25/32)
100S-C60...100S-C97	72 (2-53/64)	122 (4-51/64)	156 (6-11/32)	150.5 (6-1/8)	8.5 (21/64)	4 - 5.4 (4 - 7/32)	100 (3-15/16)	55 (2-11/64)

DC Contactors with Conventional Coils

Cat. No.	a	b	c	c1	c2	Ød	d1	d2
100S-C60D...100S-C97D	72 (2-53/64)	122 (4-51/64)	156 (6-11/32)	150.5 (6-1/8)	8.5 (21/64)	4 - 5.4 (4 - 7/32)	100 (3-15/16)	55 (2-11/64)

DC Contactors with 36...48V, 48...72V, 110...125V, or 200...250V DC Electronic Coils

Cat. No.	a	b	c	c1	c2	Ød	d1	d2
100S-C09E...100S-C23E	45 (1-25/32)	105 (4-1/8)	119.5 (4-3/4)	114.5 (4-43/64)	6 (15/64)	2 - 4.5 (2 - 3/16)	60 (2-23/64)	35 (1-3/8)
100S-C30E...100S-C37E	45 (1-25/32)	105 (4-1/8)	136.5 (5-37/64)	131.6 (5-11/32)	6.5 (1/4)	2 - 4.5 (2 - 3/16)	60 (2-23/64)	35 (1-3/8)
100S-C43E...100S-C55E	54 (2-1/8)	105 (4-1/8)	139.5 (5-11/16)	134.6 (5-29/64)	6.5 (1/4)	2 - 4.5 (2 - 3/16)	60 (2-23/64)	45 (1-25/32)

Dimensions are shown in millimeters (inches). Dimensions are not intended for manufacturing purposes.

