



Bulletin 100S-C/104S-C Safety Contactors

3-Pole AC- and DC-Operated Contactors

I _e [A]		Ratings for Switching AC Motors — AC-2, AC-3, AC-4										Aux. Contacts		Cat. No.* ‡	
		3-Phase kW (50 Hz)				Hp (60 Hz)									
AC-3	AC-1	230V	400V/ 415V	500V	690V	1-Phase		3-Phase				N.O.	N.C.		
						115V	230V	200V	230V	460V	575V				
9	32	3	4	4	4	1/2	1-1/2	2	2	5	7-1/2	0	5	100S-C09⊗05BC	
												1	4	100S-C09⊗14BC	
12	32	4	5.5	5.5	5.5	1/2	2	3	3	7-1/2	10	0	5	100S-C12⊗05BC	
												1	4	100S-C12⊗14BC	
16	32	5.5	7.5	7.5	7.5	1	3	5	5	10	15	0	5	100S-C16⊗05BC	
												1	4	100S-C16⊗14BC	
23	32	7.5	11	13	10	2	3	5	7-1/2	15	15	0	5	100S-C23⊗05BC	
												1	4	100S-C23⊗14BC	
30	65	10	15	15	15	2	5	7-1/2	10	20	25	0	4	100S-C30⊗04BC	
												1	4	100S-C30⊗14BC	
37	65	11	18.5/20	20	18.5	3	5	10	10	25	30	0	4	100S-C37⊗04BC	
												1	4	100S-C37⊗14BC	
43	85	13	22	25	22	3	7-1/2	10	15	30	30	0	4	100S-C43⊗04BC	
												1	4	100S-C43⊗14BC	
55	85	15	30	30	30	5	10	15	20	40	40	0	4	100S-C55⊗04BC	
												1	4	100S-C55⊗14BC	
60	100	18.5	32	37	32	5	10	15	20	40	50	0	4	§	100S-C60⊗04BC
												1	4	§	100S-C60⊗14BC
72	100	22	40	45	40	5	15	20	25	50	60	0	4	§	100S-C72⊗04BC
												1	4	§	100S-C72⊗14BC
85	100	25	45	55	45	7-1/2	15	25	30	60	60	0	4	§	100S-C85⊗04BC
												1	4	§	100S-C85⊗14BC
97	130	30	55	55	55	10	15	30	30	75	75	0	4	§	100S-C97⊗04BC
												1	4	§	100S-C97⊗14BC

* For other contact configurations and full product details, please contact your local Rockwell Automation sales office or Allen-Bradley distributor.

‡ If standard cross-stamped front-mount auxiliary contacts are required, remove the letter "B" before the letter "C" in the cat. no. Example: Cat. No. 100S-C09⊗05BC becomes Cat. No. 100S-C09⊗05C.

§ Front- and side-mount auxiliary contacts on Cat. Nos. 100S-C60...C97 conform to mirror contact performance only.

⊗ Coil voltage code and terminal position—see ⊗ Coil Voltage Code and Terminal Position



Cat. No.
100S-C09⊗05C
Line Side



Cat. No.
100S-C09U⊗05C
Load Side

4-Pole AC- and DC-Operated Contactors

I_e [A]		Ratings for Switching AC Motors										Contact Configuration				Cat. No.* §
		AC-2, AC-3, AC-4					Hp (60 Hz)					Main Pole		Auxiliary Contacts		
		3-Phase kW (50 Hz)‡					1-Phase		3-Phase ‡			1	2	1	2	
AC-3	AC-1	230V	400V/ 415V	500V	690V	115V	230V	200V	230V	460V	575V	N.O.	N.C.	N.O.	N.C.	
9	32	3	4	4	4	1/2	1-1/2	2	2	5	7-1/2	4	0	0	4	100S-C09Ⓞ404BC
												3	1	0	4	100S-C09Ⓞ304BC
12	32	4	5.5	5.5	5.5	1/2	2	3	3	7-1/2	10	4	0	0	4	100S-C12Ⓞ404BC
												3	1	0	4	100S-C12Ⓞ304BC
16	32	5.5	7.5	7.5	7.5	1	3	5	5	10	15	4	0	0	4	100S-C16Ⓞ404BC
												3	1	0	4	100S-C16Ⓞ304BC
23	32	7.5	11	13	10	2	3	5	7-1/2	15	15	4	0	0	4	100S-C23Ⓞ404BC
												3	1	0	4	100S-C23Ⓞ304BC

* For other contact configurations, please contact your local Rockwell Automation sales office or Allen-Bradley distributor.

‡ Three-phase ratings only apply to contactors with at least three N.O. power poles.



§ If standard cross-stamped front-mount auxiliary contacts are required, remove the letter "B" before the letter "C" in the cat. no. Example: Cat. No. 100S-C09Ⓞ404BC becomes Cat. No. 100S-C09Ⓞ404C.

Ⓞ Coil voltage code and terminal position—see Ⓞ Coil Voltage Code and Terminal Position

Reversing AC- and DC-Operated Contactors

- 3 Main Contacts
- Includes Mechanical/Electrical Interlock
- Includes Reversing Power Wiring



I _e [A]		Ratings for Switching AC Motors										Aux. Contacts Installed per Contactor		Cat. No.* ‡	
		AC-2, AC-3, AC-4													
		3-Phase kW (50 Hz)					Hp (60 Hz)								
AC-3	AC-1	230V	400V/ 415V	500V	690V	1-Phase		3-Phase				N.O.	N.C. §		
						115V	230V	200V	230V	460V	575V				
9	32	3	4	4	4	1/2	1-1/2	2	2	5	7-1/2	0	6	104S-C09®012BC	
												1	5	104S-C09®210BC	
12	32	4	5.5	5.5	5.5	1/2	2	3	3	7-1/2	10	0	6	104S-C12®012BC	
												1	5	104S-C12®210BC	
16	32	5.5	7.5	7.5	7.5	1	3	5	5	10	15	0	6	104S-C16®012BC	
												1	5	104S-C16®210BC	
23	32	7.5	11	13	10	2	3	5	7-1/2	15	15	0	6	104S-C23®012BC	
												1	5	104S-C23®210BC	
30	65	10	15	15	15	2	5	7-1/2	10	20	25	0	5	104S-C30®010BC	
												1	5	104S-C30®210BC	
37	65	11	18.5/20	20	18.5	3	5	10	10	25	30	0	5	104S-C37®010BC	
												1	5	104S-C37®210BC	
43	85	13	22	25	22	3	7-1/2	10	15	30	30	0	5	104S-C43®010BC	
												1	5	104S-C43®210BC	
55	85	15	30	30	30	5	10	15	20	40	40	0	5	104S-C55®010BC	
												1	5	104S-C55®210BC	
60	100	18.5	32	37	32	5	10	15	20	40	50	0	5	♣	104S-C60®010BC
												1	5	♣	104S-C60®210BC
72	100	22	40	45	40	5	15	20	25	50	60	0	5	♣	104S-C72®010BC
												1	5	♣	104S-C72®210BC
85	100	25	45	55	45	7-1/2	15	25	30	60	60	0	5	♣	104S-C85®010BC
												1	5	♣	104S-C85®210BC
97	130	30	55	55	55	10	15	30	30	75	75	0	5	♣	104S-C97®010BC
												1	5	♣	104S-C97®210BC

* For other contact configurations, please contact your local Rockwell Automation sales office or Allen-Bradley distributor.

‡ If standard cross-stamped front-mount auxiliary contacts are required, remove the letter "B" before the letter "C" in the cat. no. Example: Cat. No. 104S-C09®05BC becomes Cat. No. 104S-C09®05C.

§ One of the N.C. auxiliary contacts is supplied as part of the mechanical/electrical interlock.

♣ Front- and side-mount auxiliary contacts on Cat. Nos. 104S-C60...C97 conform to mirror contact performance only.

⊗ Coil Voltage Code and Terminal Position

The Cat. No. as listed is incomplete. Select a coil voltage code from the table below to complete the Cat. No. Example: 120V, 60Hz: **Cat. No. 100S-C09®05BC** becomes **Cat. No. 100S-C09D05BC**.

[V]	12	24	32	36	42	48	100	100-110	110	120	127	200	200-220	208	208-240	220-230
AC, 50 Hz	R	K	V	W	X	Y	KP	—	D	P	S	KG	L	—	—	F
AC, 60 Hz	Q	J	—	V	—	X	—	KP	—	D	—	—	KG	H	L	—
AC, 50/60 Hz	-	KJ	—	—	—	KY	KP	—	KD	—	—	KG	KLS	—	—	KLS

§ Not available on 100S/104S-C97 contactors.

[V]	230	230-240	240	277	347	380	380-400	400	400-415	440	480	500	550	600
AC, 50 Hz	—	VA	T	—	—	—	N	—	G	B	—	M	C	—
AC, 60 Hz	—	—	A	T	I	E	—	—	—	N	B	—	—	C
AC, 50/60 Hz	KF	—	KA	—	—	—	—	KN	—	KB	—	—	—	—

		[V]	9	12	24	36	48	48-72	60	64	72	80	110	110-125	115	125	220	220-250	230	250
100S-C09...C55	Standard	DC	ZR	ZQ	ZJ	ZW	ZY	–	ZZ	ZB	ZG	ZE	ZD	–	ZP	ZS	ZA	–	ZF	ZT
	with Integrated Diode		–	–	DJ	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	Electronic with Integrated Diode		–	EQ	EJ	EW	–	EY	–	–	–	–	–	ED	–	–	–	EA	–	–
100S-C60...C97	with Integrated Diode		DR	DQ	DJ	DW	DY	–	DZ	DB	DG	DE	DD	–	DP	DS	DA	–	DF	DT

Coil Terminal Position

- All contactors are delivered with the coil terminals located on the **line side**.
- For **load side** coil terminations, insert a “**U**” prior to the coil voltage code.
Example: **Cat. No. 100S-C09UD05BC**.