



# Bulletin 100-C Contactors

## 3-Pole AC- and DC-Operated Contactors

Ie [A]		Ratings for Switching AC Motors – AC-2, AC-3, AC-4										Aux. Contacts		Cat. No.	
AC-3	AC-1	3-Phase kW (50 Hz)				Hp (60 Hz)								§	
		230V	400V/415V	500V	690V	1-Phase		3-Phase							
						115V	230V	200V	230V	460V	575V	N.O.	N.C.		
9	32	3	4	4	4	1/2	1-1/2	2	2	5	7-1/2	1	0	§	100-C09®10
												0	1	§	100-C09®01
12	32	4	5.5	5.5	5.5	1/2	2	3	3	7-1/2	10	1	0	§	100-C12®10
												0	1	§	100-C12®01
16	32	5.5	7.5	7.5	7.5	1	3	5	5	10	15	1	0	§	100-C16®10
												0	1	§	100-C16®01
23	32	7.5	11	13	10	2	3	5	7-1/2	15	15	1	0		100-C23®10
												0	1		100-C23®01
30	65	10	15	15	15	2	5	7-1/2	10	20	25	0	0		100-C30®00
												1	0		100-C30®10
												0	1		100-C30®01
37	65	11	18.5/20	20	18.5	3	5	10	10	25	30	0	0		100-C37®00
												1	0		100-C37®10
												0	1		100-C37®01
43	85	13	22	25	22	3	7-1/2	10	15	30	30	0	0		100-C43®00
												1	0		100-C43®10
												0	1		100-C43®01
55	85	15	30	30	22	5	10	15	20	40	40	0	0		100-C55®00
												1	0		100-C55®10
												0	1		100-C55®01
60	100	18.5	32	37	32	5	10	15	20	40	50	0	0		100-C60®00
												1	0		100-C60®10
												0	1		100-C60®01
72	100	22	40	45	40	5	15	20	25	50	60	0	0		100-C72®00
												1	0		100-C72®10
												0	1		100-C72®01
85	100	25	45	55	45	7-1/2	15	25	30	60	60	0	0		100-C85®00
												1	0		100-C85®10
												0	1		100-C85®01
97	130	30	55	55	55	10	20	30	30	75	75	0	0		100-C97®00
												1	0		100-C97®10
												0	1		100-C97®01

§ For screwless terminals, add an "R" after the letter "C" in the catalog number. Example: Cat. No. 100-C09®10 becomes Cat. No. 100-CR09®10. The AC-1 rating for 100-CR contactors is limited to 25 A.

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

## 4-Pole AC- and DC-Operated Contactors

I <sub>e</sub> [A]		Ratings for Switching AC Motors – AC-2, AC-3										Contact Configuration, Main Pole		Cat. No.	
		3-Phase kW (50 Hz)*				Hp (60 Hz)						N.O.	N.C.		
AC-3	AC-1	230V	400V/415V	500V	690V	1-Phase		3-Phase *							
						115V	230V	200V	230V	460V	575V				
9	32	3	4	4	4	1/2	1-1/2	2	2	5	7-1/2	4	0	\$ 100-C09@400	
												3	1	\$ 100-C09@300	
												2	2	\$ 100-C09@200	
12	32	4	5.5	5.5	5.5	1/2	2	3	3	7-1/2	10	4	0	\$ 100-C12@400	
												3	1	\$ 100-C12@300	
												2	2	\$ 100-C12@200	
16	32	5.5	7.5	7.5	7.5	1	3	5	5	10	15	4	0	\$ 100-C16@400	
												3	1	\$ 100-C16@300	
												2	2	\$ 100-C16@200	
23	32	7.5	11	13	10	2	3	5	7-1/2	15	15	4	0	100-C23@400	
												3	1	100-C23@300	
												2	2	100-C23@200	
37	75	11	18.5/20	20	18.5	3	5	10	10	25	30	4	0	100-C40@400	
												2	2	100-C40@200	
85	130	25	45	55	45	7-1/2	15	25	30	60	50	4	0	100-C90@400	
												2	2	100-C90@200	

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

\$ For screwless terminals, add an "R" after the letter "C" in the catalog number. Example: Cat. No. 100-C09@400 becomes Cat. No. 100-CR09@400. The AC-1 rating for 100-CR contactors is limited to 25 A.

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

## Reversing AC- and DC-Operated Contactors



I <sub>e</sub> [A]		Ratings for Switching AC Motors – AC-2, AC-3, AC-4										Auxiliary Contacts Installed per Contactor		Cat. No.
		3-Phase kW (50 Hz)				Hp (60 Hz)						N.O.	N.C.*	
AC-3	AC-1	230V	400V/415V	500V	690V	1-Phase		3-Phase						
						115V	230V	200V	230V	460V	575V			
9	32	3	4	4	4	1/2	1-1/2	2	2	5	7-1/2	1	1	104-C09@22
12	32	4	5.5	5.5	5.5	1/2	2	3	3	7-1/2	10	1	1	104-C12@22
16	32	5.5	7.5	7.5	7.5	1	3	5	5	10	15	1	1	104-C16@22
23	32	7.5	11	13	10	2	3	5	7-1/2	15	15	1	1	104-C23@22
30	65	10	15	15	15	2	5	7-1/2	10	20	25	0	1	104-C30@02
												1	1	104-C30@22
37	65	11	18.5/20	20	18.5	3	5	10	10	25	30	0	1	104-C37@02
												1	1	104-C37@22
43	85	13	22	25	22	3	7.5	10	15	30	30	0	1	104-C43@02
												1	1	104-C43@22
55	85	15	30	30	30	5	10	15	20	40	40	0	1	104-C55@02
												1	1	104-C55@22
60	100	18.5	32	37	32	5	10	15	20	40	50	0	1	104-C60@02
												1	1	104-C60@22
72	100	22	40	45	40	5	15	20	25	50	60	0	1	104-C72@02
												1	1	104-C72@22
85	100	25	45	55	45	7-1/2	15	25	30	60	60	0	1	104-C85@02
												1	1	104-C85@22
97	130	30	55	55	55	10	20	30	30	75	75	0	1	104-C97@02
												1	1	104-C97@22

\* The N.C. auxiliary contact is supplied as part of the mechanical/electrical interlock.

## ⊗ 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. 100-C09⊗10** becomes **Cat. No.100-C09D10**.

[V]	12	24	32	36	42	48	100	100-110	110	120	127	200	200-220	208	208-240	220-230	230	230-240	240	277	347	380	380-400	400	400-415	440	480	500	550	600
Hz																														
50 Hz	R	K	V	W	X	Y	KP	—	D	P	S	KG	L	—	—	F	—	VA	T	—	—	—	N	—	G	B	—	M	C	—
60 Hz	Q	J	—	V	—	X	—	KP	—	D	—	—	KG	H	L	—	—	—	A	T	I	E	—	—	—	N	B	—	—	C
50/60 Hz	—	KJ	—	—	—	KY	KP	—	KD	—	—	KG	KL§	—	—	KL§	KF	—	KA	—	—	—	—	KN	—	KB	—	—	—	—

§ Not available on 100/104-C90 or -C97 contactors.

DC Voltages [V]	9	12	24	36	36...48	48	48-72	60	64	72	80	110	110-125	115	125	220	220-250	230	250
100-C09...C55 Electronic with Integrated Diode	—	EO	EJ	—	EW	—	EY	—	—	—	—	—	ED	—	—	—	EA	—	—
100-C60...C97 with Integrated Diode	DR	DO	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. Ordering example: **Cat. No. 100-C09UD10**.



Cat. No.100-C09⊗10Line Side



Cat. No.100-C09U⊗10Load Side