



Bulletin 100-C/104-C IEC Contactors

- Compact sizes from 4...45 kW/5...60 Hp (9...85 A)
- AC and DC coil control
- Common accessories for all contactor sizes
- Front and side mounting of auxiliary contacts
- Electronic and pneumatic timing modules
- Space-saving coil-mounted control modules
- Reversible coil terminations (line or load side)
- All devices can be attached to 35 mm DIN mounting Rail
- Environmentally friendly materials

The Bulletin 100-C/104-C contactor family, along with a wide range of common accessories and Bulletin 193 solid-state overload relays, provides the most compact and flexible starter component system available.

Your order must include: cat. no. of the contactor specified with coil voltage code and, if required, cat. no. of any accessories and/or replacement coils.

Table of Contents

Product Selection this page
 Accessories..... 2-106
 Approximate
 Dimensions..... 2-158

Standards Compliance

EN/IEC 60947-4-1, 60947-5-1
 IEC 60947 Type "2"
 Coordination
 CSA C22.2 No. 14
 UL 508

Certifications

CE Marked
 cULus Listed (File No. E3125;
 Guide No. NLDX, NLDX7)

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.
		3Ø kW (50 Hz)				Hp (60 Hz)						N.O.	N.C.	
AC-3	AC-1	230V	400V/415V	500V	690V	1Ø		3Ø						
						115V	230V	200V	230V	460V	575V			
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
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

⊗Coil voltage code and terminal position—see page 2-101

IEC Contactors

Product Selection, Continued

4-Pole AC- and DC-Operated Contactors

I_e [A]		Ratings for Switching AC Motors — AC-2, AC-3										Contact Configuration, Main Pole		Cat. No.
		3Ø kW (50 Hz)*				Hp (60 Hz)								
		AC-3	AC-1	230V	400V/415V	500V	690V	1Ø		3Ø *				
						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	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.

⊗Coil voltage code and terminal position—see page 2-101

2



Reversing AC- and DC-Operated Contactors

- Includes Mechanical/Electrical Interlock
- Includes Reversing Power Wiring



Cat. No. 104-C09D22



Cat. No. 104-C30ZJ22



Cat. No. 104-C85D22

I _e [A]		Ratings for Switching AC Motors — AC-2, AC-3, AC-4										Auxiliary Contacts Installed per Contactor		Cat. No.
		3Ø kW (50 Hz)				Hp (60 Hz)						N.O.	N.C.*	
		AC-3	AC-1	230V	400V/415V	500V	690V	1Ø		3Ø				
						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-C09Ø22
12	32	4	5.5	5.5	5.5	1/2	2	3	3	7-1/2	10	1	1	104-C12Ø22
16	32	5.5	7.5	7.5	7.5	1	3	5	5	10	15	1	1	104-C16Ø22
23	32	7.5	11	13	10	2	3	5	7-1/2	15	15	1	1	104-C23Ø22
30	65	10	15	15	15	2	5	7-1/2	10	20	25	0	1	104-C30Ø02
												1	1	104-C30Ø22
37	65	11	18.5/20	20	18.5	3	5	10	10	25	30	0	1	104-C37Ø02
												1	1	104-C37Ø22
43	85	13	22	25	22	3	7.5	10	15	30	30	0	1	104-C43Ø02
												1	1	104-C43Ø22
60	100	18.5	32	37	32	5	10	15	20	40	50	0	1	104-C60Ø02
												1	1	104-C60Ø22
72	100	22	40	45	40	5	15	20	25	50	60	0	1	104-C72Ø02
												1	1	104-C72Ø22
85	100	25	45	55	45	7-1/2	15	25	30	60	60	0	1	104-C85Ø02
												1	1	104-C85Ø22

* 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-C09Ø10 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
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	—	—	—	

DC Voltages [V]		9	12	24	36	48	60	64	72	80	110	115	125	220	230	250
100-C09...C43	Standard	ZR	ZQ	ZJ	ZW	ZY	ZZ	ZB	ZG	ZE	ZD	ZP	ZS	ZA	ZF	ZT
	with Integrated Diode	—	—	DJ	—	—	—	—	—	—	—	—	—	—	—	—
	Electronic with Integrated Diode	—	—	EJ	—	—	—	—	—	—	—	—	—	—	—	—
100-C60...C85	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.
 Ordering example: **Cat. No. 100-C09UD10**.



Cat. No. 100-C09Ø10
Line Side



Cat. No. 100-C09UØ10
Load Side