

Bulletin 100-C Contactors

Bulletin 100-C/104-C — IEC Contactors

- Compact sizes from 4...55 kW/5...75 Hp (9...97 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 IEC 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.

Standards Compliance

EN/IEC 60947-4-1, 60947-5-1

IEC 60947 Type "2" Coordination

CSA C22.2 No. 14

UL 508

Meets the material restrictions for European Directive 2002/95/IEC-EU-RoHS

Certifications

CE Marked

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

CCC

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.
AC-3	AC-1	3-Phase kW (50 Hz)				Hp (60 Hz)						N.O.	N.C.	
		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	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
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.

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

4-Pole AC- and DC-Operated Contactors

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	48	48-72	60	64	72	80	110	110-125	115	125	220	220-250	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	—	EO	EJ	—	—	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®10 Line Side



Cat. No. 100-C09U®10 Load Side

Assignment of Contacts

Device Combinations in Accordance with IEC 60947-1 / -4-1