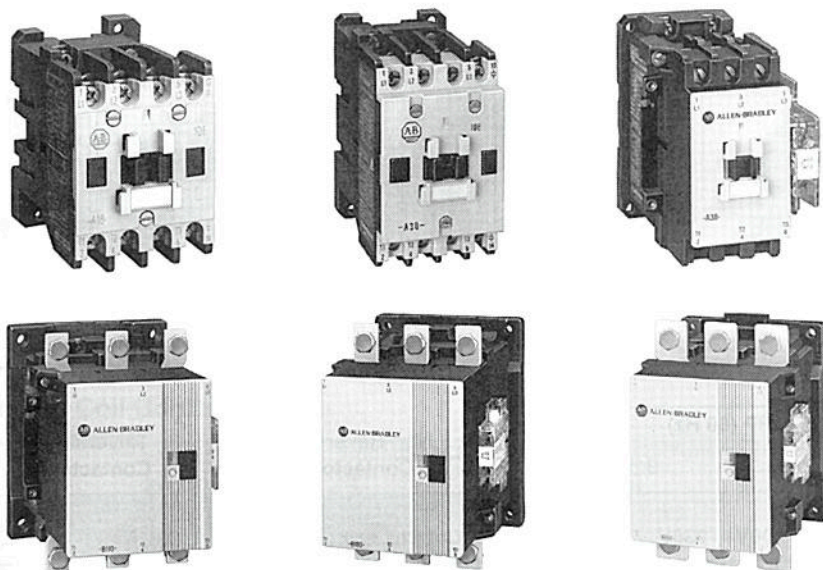




Bulletin 100

- 15 Sizes, 9...600A
- Guarded Terminals
Dual Terminal Markings
- DC Control Option
through 180A
- Wide Range of
Accessories
 - Top and Side
Mounting Auxiliary
Contacts
 - Timers
 - Latches
 - Surge Suppressors
 - Mechanical/Electrical
Interlocks

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Description

Bulletin 100 Modular Line of contactors, when combined with the Bulletin 193 SMP or Bimetallic overload relays, auxiliary contacts, timers, interlocks, suppressors, and DIN mounting rail provides a highly flexible grouping of world acceptable devices.

Conformity to Standards:

IEC 947-4
BS 5424
VDE 0660
IEC 947-4 Type 2 Co-ordination
(UL and ASTA Certified)

Approvals Pending:

DEMKO — Denmark
NEMKO — Netherlands
SEMKO — Sweden
SETI — Finland

Approvals:

CSA Certified (File No. LR1234)
UL Listed (File No. E3125;
Guide No. NLDX)
CE Marked (Per EU Low Voltage
Directive 73/23/EEC 93/68/EEC)

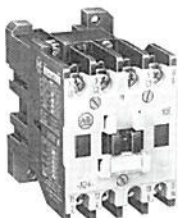
A-B EXPRESS Fast Shipment Program

- Fast Shipment of Bulletin 100 IEC Contactors to satisfy your unexpected demands.
- Make your selections from any of the Cat. Nos. printed in blue and identify your order as



Your order must include:

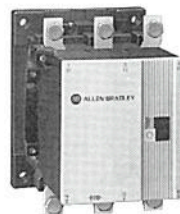
- Cat. No. of the contactor selected with coil voltage code.
- If required, Cat. No. of any accessories.
- If required, Cat. No. of replacement coils or contact kits.



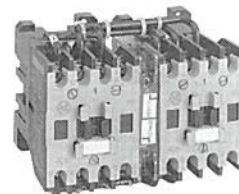
Cat. No. 100-A09...A30



Cat. No. 100-A38...A75



Cat. No. 100-B110...B600



Cat. No. 104-A09...A30

Max. le (A)	Ratings (AC3, AC4)										Non-Reversing Contactors		Reversing Contactors	
	kW (50 Hz)				HP (60 Hz)									
	3Ø				1Ø		3Ø							
	220V	380V – 415V	500V	660V	115V	230V	200V	230V	460V	575V	Cat. No. ②③	*	Cat. No.	*
9 ❶	2.2	4	5.5	5.5	1/3	1	2	2	5	7-1/2	100-A09N③ 3		104-A09N③ 3	
12 ❶	3	5.5	7.5	7.5	1/2	2	3	3	7-1/2	10	100-A12N③ 3		104-A12N③ 3	
18 ❶	4	7.5	11	11	1	3	5	5	10	15	100-A18N③ 3		104-A18N③ 3	
24 ❶	5.5	11	15	15	2	3	5	7-1/2	15	20	100-A24N③ 3		104-A24N③ 3	
30	7.5	15	18.5	18.5	2	5	7-1/2	10	20	25	100-A30N③ 3		104-A30N③ 3	
38	10	18.5	22	18.5	3	5	10	10	25	30	100-A38N③ 3		104-A38N③ 3	
45	11	22	30	22	3	7-1/2	10	15	30	40	100-A45N③ 3		104-A45N③ 3	
60	15	30	37	37	5	10	15	20	40	50	100-A60N③ 3		104-A60N③ 3	
75	22	37	45	45	5	10	20	25	50	60	100-A75N③ 3		104-A75N③ 3	
110	30	55	75	75	–	–	30	40	75	100	100-B110N③ 3		104-B110N③ 3	
180	45	90	110	110	–	–	60	60	150	150	100-B180N③ 3		104-B180N③ 3	
250	75	132	160	160	–	–	75	100	200	250	100-B250N③ 3		104-B250N③ 3	
304	90	160	200	200	–	–	100	100	250	300	100-B300N③ 3		104-B300N③ 3	
414 ❷	120	220	280	280	–	–	125	150	350	400	100-B400N③ 3		104-B400N③ 3	
608 ❷	180	315	445	445	–	–	200	250	500	600	100-B600N③ 3		104-B600N③ 3	

⊗ **Voltage Suffix Code**

The Cat. No. as listed is incomplete. Select a Voltage Suffix Code from the table below to complete the Cat. No. Example: **Cat. No. 100-A09N③3** becomes **Cat. No. 100-A09NJ3**. For other voltages, consult Allen-Bradley Sales Office. **Note:** Coils below 110V are not available for 100-B400 and 100-B600 Contactors.

Voltage	24V	42V	48V	100V	100- 110V	110V	120V	200V	208V	220V	240V	277V	347V	380V	415V	440V	480V	500V	550V	600V
50 Hz	K	W	Y	KF	–	D	KE	–	–	A	T	–	–	N	I	B	–	M	C	–
60 Hz	J	–	X	–	KF	–	D	–	H	L	A	F	KK	E	–	G	B	–	–	C
50/60 Hz	KD	–	KH	KF	–	S	–	KG	–	–	–	–	–	–	–	–	–	–	–	–

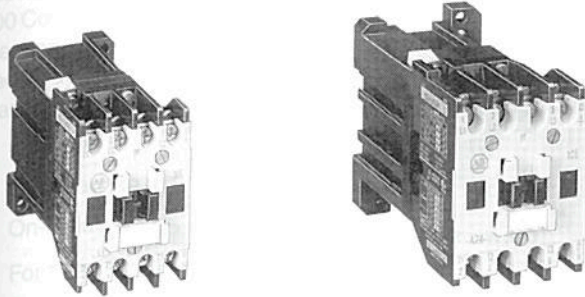
- ❶ 4 main poles of same rating. Right hand pole is normally used as auxiliary.
- ❷ **Power Terminal Lugs** — Contactor **Cat. Nos. 100-A09 through 100-A75** include wire terminal lugs. Contactor **Cat. No. 100-B110 through 100-B600** have terminal pads with a bolt and nut for connection of bus bars or crimp type connectors. If wire lugs are required for these devices, see Accessories on page 3-38.
- ❸ **Auxiliary Contacts** — Contactor **Cat. Nos. 100-A09 through 100-A24** have a normally open auxiliary contact that has the same electrical ratings as the main power contacts. All other sizes have a normally open auxiliary contact rated specifically for auxiliary circuits. Contactor **Cat. Nos. 100-B400 and 100-B600** are furnished with one additional normally closed auxiliary contact. Example: **Cat. No. 100-A09N③ 31**.
- ❹ Coils below 120V are not available for 400A through 600A devices due to high-inrush current, except for 110V 50Hz.

Accessories — Page 3-38
 Specifications — Page 3-48
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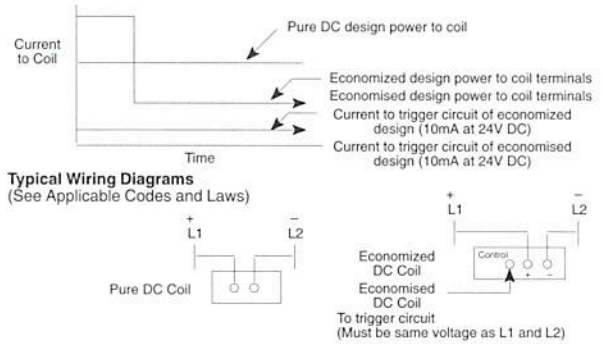
DC Operated Contactors



Fast Shipment Program Cat. Nos. are printed in blue.



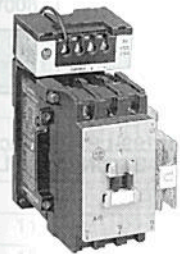
Cat. No. 100-A09NZ...A30NZ



Pure DC Coil Contactors

Max. le (A)	Ratings (AC3, AC4)										Non-Reversing Contactors		Reversing Contactors	
	kW (50 Hz)				HP (60 Hz)									
	3Ø				1Ø		3Ø							
	220V	380V – 415V	500V	660V	115V	230V	200V	230V	460V	575V	Cat. No.	*	Cat. No.	*
9	2.2	4	5.5	5.5	1/3	1	2	2	5	7-1/2	100-A09NZ 3		104-A09NZ 3	
12	3	5.5	7.5	7.5	1/2	2	3	3	7-1/2	10	100-A12NZ 3		104-A12NZ 3	
18	4	7.5	11	11	1	3	5	5	10	15	100-A18NZ 3		104-A18NZ 3	
24	5.5	11	15	15	2	3	5	7-1/2	15	20	100-A24NZ 3		104-A24NZ 3	
30	7.5	15	18.5	18.5	2	5	7-1/2	10	20	25	100-A30NZ 3		104-A30NZ 3	
38	10	18.5	22	18.5	3	5	10	10	25	30	100-A38NZ 3		104-A38NZ 3	
45	11	22	30	22	3	7-1/2	10	15	30	40	100-A45NZ 3		104-A45NZ 3	
60	15	30	37	37	5	10	15	20	40	50	100-A60NZ 3		104-A60NZ 3	
75	22	37	45	45	5	10	20	25	50	60	100-A75NZ 3		104-A75NZ 3	
110	30	55	75	75	–	–	30	40	75	100	100-B110NZ 3		104-B110NZ 3	

DC Solid-State Economized Dual Wound Coil Contactors



Cat. No. 100-A38NE...A75NE

Max. le (A)	Ratings (AC3, AC4)										Non-Reversing Contactors	
	kW (50 Hz)				HP (60 Hz)							
	3Ø				1Ø		3Ø					
	220V	380V – 415V	500V	660V	115V	230V	200V	230V	460V	575V	Cat. No.	*
38	10	18.5	22	18.5	3	5	10	10	25	30	100-A38NE⊗ 3	
45	11	22	30	22	3	7-1/2	10	15	30	40	100-A45NE⊗ 3	
60	15	30	37	37	5	10	15	20	40	50	100-A60NE⊗ 3	
75	22	37	45	45	5	10	20	25	50	60	100-A75NE⊗ 3	
110	30	55	75	75	–	–	30	40	75	100	100-B110NE⊗ 3	
180	45	90	110	110	–	–	60	60	150	150	100-B180NE⊗ 3	

⊗ **Voltage Suffix Code**

The Cat. No. as listed is incomplete. Select a Voltage Suffix Code from the table below to complete the Cat. No. Example: Cat. No. 100-A09NZ 3 becomes Cat. No. 100-A09NZ123. For other voltages, consult Allen-Bradley Sales Office.

Voltage	Type	12V	24V	48V	64V	80V	115V	125V	230V	250V
Coil Code	Pure DC	12	24	48	64	80	01	03	23	25
	Economized DC	–	24	48	–	–	01	–	23	–

⦿ 4 main poles of same rating. Right hand pole is normally used as auxiliary.