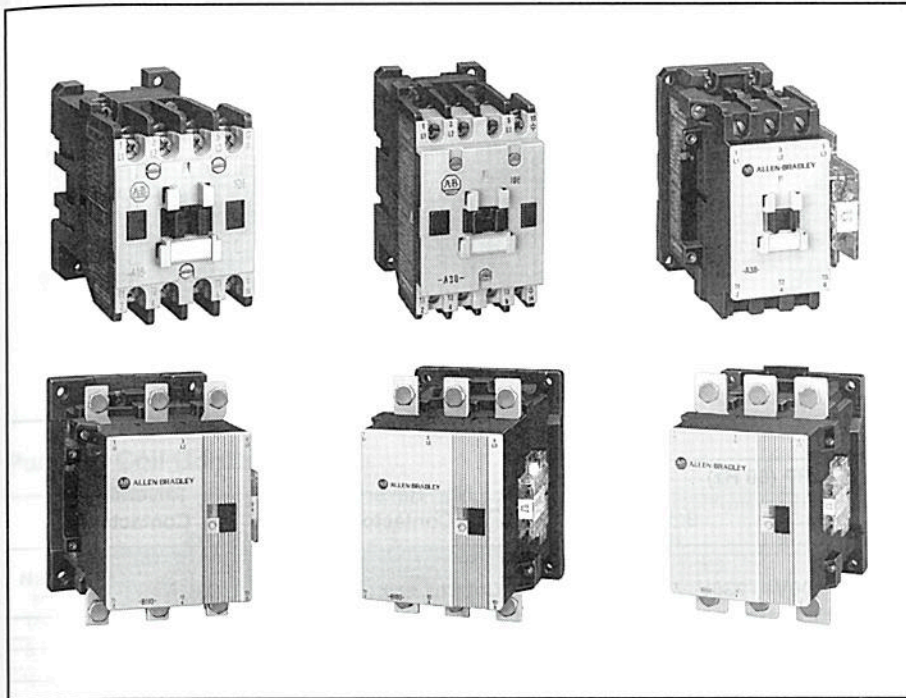


## Bulletin 100

- 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



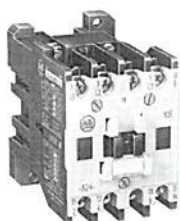
#### Your order must include:

- 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.



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

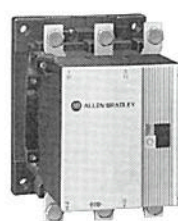
3



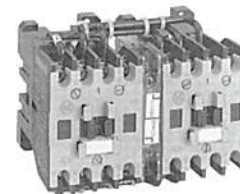
Cat. No. 100-A09...A30



Cat. No. 100-A38...A75



Cat. No. 100-B110...B600



Cat. No. 104-A09...A30

Max. Current (A)	Ratings (AC3, AC4)										Non-Reversing Contactors		Reversing Contactors		
	kW (50 Hz)				HP (60 Hz)						Cat. No. ②③	*	Cat. No.	*	
	3Ø				1Ø		3Ø								
	220V	380V – 415V	500V	660V	115V	230V	200V	230V	460V	575V					
9 ①	2.2	4	5.5	5.5	1/3	1	2	2	5	7-1/2	100-A09N③	3		104-A09N③	3
12 ①	3	5.5	7.5	7.5	1/2	2	3	3	7-1/2	10	100-A12N③	3		104-A12N③	3
18 ①	4	7.5	11	11	1	3	5	5	10	15	100-A18N③	3		104-A18N③	3
24 ①	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 ④	120	220	280	280	–	–	125	150	350	400	100-B400N③	3		104-B400N③	3
608 ④	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-A09N③ 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	–	–	–	–	–	–	–	–	–	–	–	–

- ① 4 main poles of same rating. Right hand pole is normally used as auxiliary.
- ② 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.
- ③ 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.
- ④ Coils below 120V are not available for 400A through 600A devices due to high-inrush current, except for 110V 50Hz.

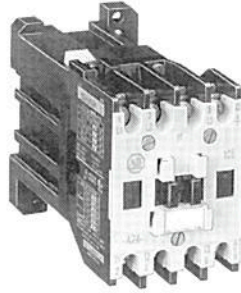
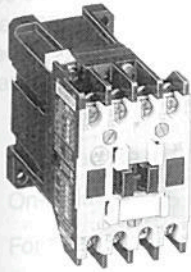
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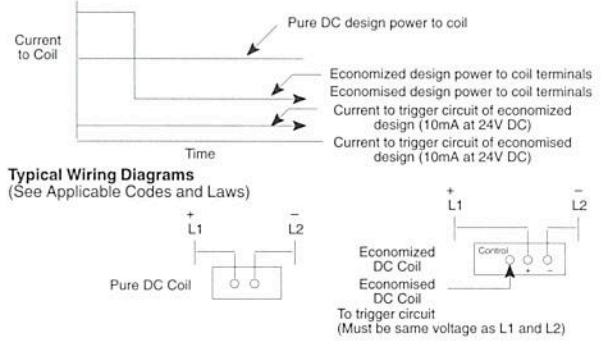
DC Operated Contactors



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



Cat. No. 100-A09NZ...A30NZ

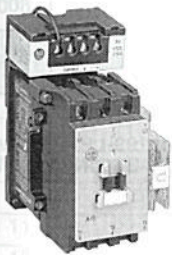


3

Pure DC Coil Contactors

Max. Current (A)	Ratings (AC3, AC4)										Non-Reversing Contactors		Reversing Contactors	
	kW (50 Hz)				HP (60 Hz)						Cat. No.	*	Cat. No.	*
	3Ø				1Ø	3Ø			220V	230V				
	220V	380V - 415V	500V	660V	115V	230V	200V	230V			460V	575V		
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. Current (A)	Ratings (AC3, AC4)										Non-Reversing Contactors	
	kW (50 Hz)				HP (60 Hz)						Cat. No.	*
	3Ø				1Ø	3Ø			220V	230V		
	220V	380V - 415V	500V	660V	115V	230V	200V	230V			460V	575V
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.

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