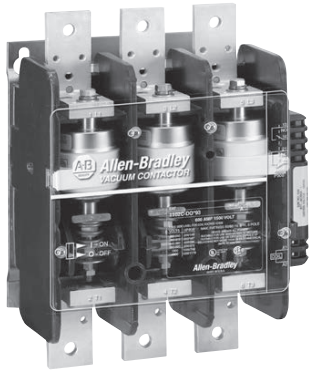


# Non-Reversing Vacuum Contactors

Product Overview/Catalog Number Explanation/Product Selection

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### Bulletin 1102C

- Voltage: 1500V AC maximum
- Current ratings: 200, 400, and 600 A
- Space-saving design
- Line and load terminals up front for ease of wiring
- Visual ON/OFF indicator
- Snap-on side mount auxiliary contacts
- Typical industry applications include:
  - Mining
  - Chemical
  - Cement
  - Pumps
  - Foundries-metal processing
  - Petroleum
  - Cranes & Hoists
  - Other harsh environments where voltages above 600V are used

The Bulletin 1102C open type contactor is designed for use up to 1500V. Vacuum contactors are particularly well-suited for mining, pumping, and other applications where voltages above 600V are used. The Bulletin 1102C line uses vacuum bottles to enclose the power-switching contacts within the contactor. The use of vacuum technology results in particularly effective arc extinguishing above 600V and results in a very compact, long-lasting contactor.

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### Standards Compliance

UL 508  
 CSA 22.2 No. 14  
 EN60947-4 (1000V)

### Certifications

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

### Configuration of a Basic Vacuum Contactor

The information below is for reference purposes. Not all combinations will produce a valid cat. no. Refer to the tables on the following pages for product selection.

1102C –  B   O   D   93   
                   a                  b                  c                  d

**a**

Continuous Current Rating [A]	
Code	Description
B	200
C	400
D	600

**c**

Control Voltage		
Code	Voltage	Frequency
A	230...240V AC	60 Hz
B	460...480V AC	60 Hz
D	120V AC	60 Hz
N	380...415V AC	60 Hz
G	125V DC	—
H	250V DC	—

**d**

Options	
Code	Description
93	3-pole contactor

**b**

NEMA Enclosure Type	
Code	Type
O	Open type — no enclosure

### Product Selection

#### 3-Phase, 1500V Maximum, 60 Hz

Capacitor Switching* [kVAR]					Transformer Primary Switching* [kVA]					Continuous Current Rating [A]	Cat. No. ‡
240V	440V	575V	1000V	1500V	240V	440V	575V	1000V	1500V		
62	114	156	260	390	55	152	207	346	519	200	1102C-BO®93
124	228	312	520	780	110	304	414	692	1038	400	1102C-CO®93
200	366	500	830	1250	249	450	620	1384	2076	600	1102C-DO®93

Motor Switching Ratings														Cat. No. ‡
200V / 208V		220V / 240V		380V / 415V		440V / 480V		550V / 600V		1000V		1500V		
[Hp]	[kW]	[Hp]	[kW]	[Hp]	[kW]	[Hp]	[kW]	[Hp]	[kW]	[Hp]	[kW]	[Hp]	[kW]	
60	45	75	56	100	75	150	112	200	150	300	224	500	373	1102C-BO®93
125	93	150	112	200	150	300	224	400	298	700	522	1000	746	1102C-CO®93
200	149	200	149	350	261	400	298	600	447	1000	746	1200	895	1102C-DO®93

#### ⊗ Control Voltage Code

The cat. no. is incomplete. To complete the cat. no., select a control voltage code from the table below and insert into the cat. no.  
 Example: **Cat. No. 1102C-BO®93** becomes **Cat. No. 1102C-BOD93**.

		[V]	120	125	240	250	380...415	440...480
AC	50/60 Hz	<b>D</b>	—	<b>A</b>	—	<b>N</b>	<b>B</b>	
DC	—	—	G	—	H	—	—	

\* Inrush current should be less than 1000% of IEC AC3 operational current.

\* For use on transformers having an inrush not more than 20 times the rated full load current **irrespective** of secondary load. Ratings do not apply to transformers used in resistive welder service.

‡ Terminal lugs not included — see Accessories on page 1-19.

**Accessories**

**Auxiliary Contacts**

Contactors are supplied with one normally open and one normally closed auxiliary contact (A600 rating) as standard. Additional auxiliary contacts, two normally open and two normally closed, can be added in the field.

Description	Cat. No.
Auxiliary Contact (10 A @ 600V)	<b>1195C-N3</b>
Auxiliary Contact (10 mA @ 5V DC)	1195C-N4

**Lug Kit (3 per kit)**

Continuous Current Rating [A]	Wire Size	Cat. No.
200	2/0...250 MCM	<b>1195C-LK1</b>
400	(2) #6...300 MCM	<b>1195C-LK2</b>
600	(2) #2...600 MCM	<b>1195C-LK3</b>

**Control Module**

Side-mounted module for DC input voltage

Continuous Current Rating [A]	Input Voltage	Cat. No.
200/400/600	125V DC	1195C-N5
	250V DC	1195C-N6

**Control Pak**

Side-mounted module for DC coil power

Continuous Current Rating [A]	Input Voltage	Cat. No.
200	110/120V AC	1102C-CP2D
	220/240V AC	1102C-CP2A
	380/415V AC	1102C-CP2N
	440/480V AC	1102C-CP2B
400/600	110/120V AC	<b>1102C-CP46D</b>
	220/240V AC	1102C-CP46A
	380/415V AC	1102C-CP46N
	440/480V AC	1102C-CP46B

**Coil Kit**

Contains DC coil mounted in the sheet metal frame assembly that attaches to the contactor mounting plate

Continuous Current Rating [A]	Input Voltage	Control Pak Voltage	Cat. No.
200	108V DC	110/120V AC	1102C-PK2D
		220/240V AC	1102C-PK2A
		380/415V AC	1102C-PK2N
		440/480V AC	1102C-PK2B
	125V DC	—	1102C-PK2G
	250V DC	—	1102C-PK2H
400	108V DC	110/120V AC	1102C-PK4D
		220/240V AC	1102C-PK4A
		380/415V AC	1102C-PK4N
		440/480V AC	1102C-PK4B
	125V DC	—	1102C-PK4G
	250V DC	—	1102C-PK4H
600	108V DC	110/120V AC	1102C-PK6D
		220/240V AC	1102C-PK6A
		380/415V AC	1102C-PK6N
		440/480V AC	1102C-PK6B
	125V DC	—	1102C-PK6G
	250V DC	—	1102C-PK6H

**Vacuum Interrupter Phase Assembly Kit**

Replacement for one vacuum interrupter phase

Current Rating of Interrupter [A]	Cat. No.
200 A Vacuum Interrupter Phase Assembly	<b>1102C-VB2</b>
400 A Vacuum Interrupter Phase Assembly	1102C-VB4
600 A Vacuum Interrupter Phase Assembly	1102C-VB6

