

*Reversing Vacuum Contactor
Open Type without Enclosure*

Bulletin 1104V

- 1500V AC Maximum
- Typical Industries and Applications Include:
 - Mining and Metals
 - Chemical Processing
 - Hoists
 - Conveyors
 - Process Equipment
 - Mining Equipment

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Description

Bulletin 1104V reversing contactors consist of two Bulletin 1100 vacuum contactors mounted vertically on a common base. Contactors are mechanically and electrically interlocked to avoid both contactors being closed simultaneously.

Reversing contactors are designed for use up to and including 1500V maximum. Vacuum bottles are utilized to enclose the power switching contacts within the contactor. This use of vacuum technology results in particularly effective arc extinguishing above the 600V level and allows the design of a very compact, long lasting contactor.

Approvals:

UL Recognized
(File No. E3125
Guide No. NLDX2)
CSA Certified
(LR 46390M27)

Your order must include:

- Cat. No. of reversing vacuum contactor.
- If required, Cat. No. of any accessories.

Reversing Vacuum Contactors

Product Selection/Accessories/Contact Arrangements

3Ø, 1500V AC Maximum

Horsepower Ratings							Maximum Continuous Amperes (A)		Cat. No.
3 Ø Motor Voltage							230...575V	800...1500V	
200V	230V	460V	575V	800V	1100V	1500V			
60	60	150	150	200	300	400	200	180	1104V-AO⊗
100	125	250	300	400	600	900	350	350	1104V-BO⊗
125	150	350	400	500	700	1000	450	450	1104V-CO⊗

⊗ Voltage Suffix Code

The Cat. No. is incomplete. To complete the Cat. No., select a Voltage Suffix Code from the table below and insert into the Cat. No. Example: **Cat. No. 1104V-AO⊗** becomes **Cat. No. 1104V-AOD**. For other voltages consult your local Allen-Bradley Sales Office.

Control Voltage		100...127V	100...110V	200...240V	200...220V	380...440V	460...550V
AC	50/60 Hz	D	—	A	—	N	B
DC	—	—	G	—	H	—	—

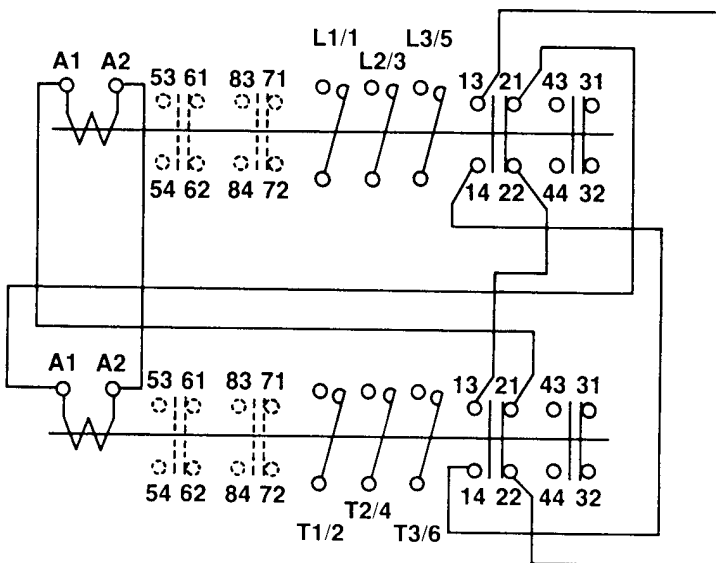
Accessories

Auxiliary Contacts

Reversing Contactors are supplied as standard with two normally open and two normally closed auxiliary contacts on each contactor. Additional auxiliary contacts, two normally open and two normally closed, can be added in the field to each contactor.

Auxiliary Contact (for 180...450 A devices)
Cat. No. 1195-N1

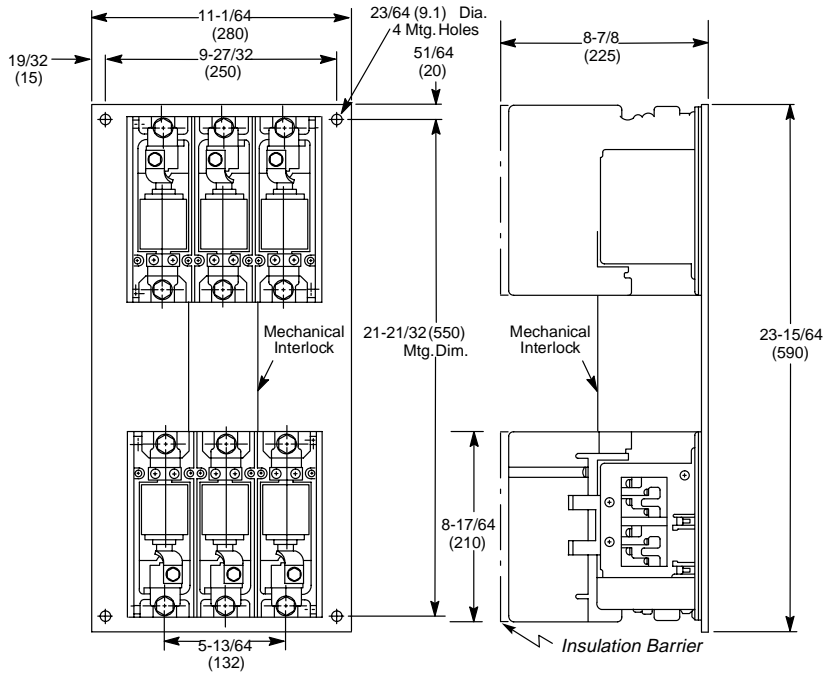
Contact Arrangements

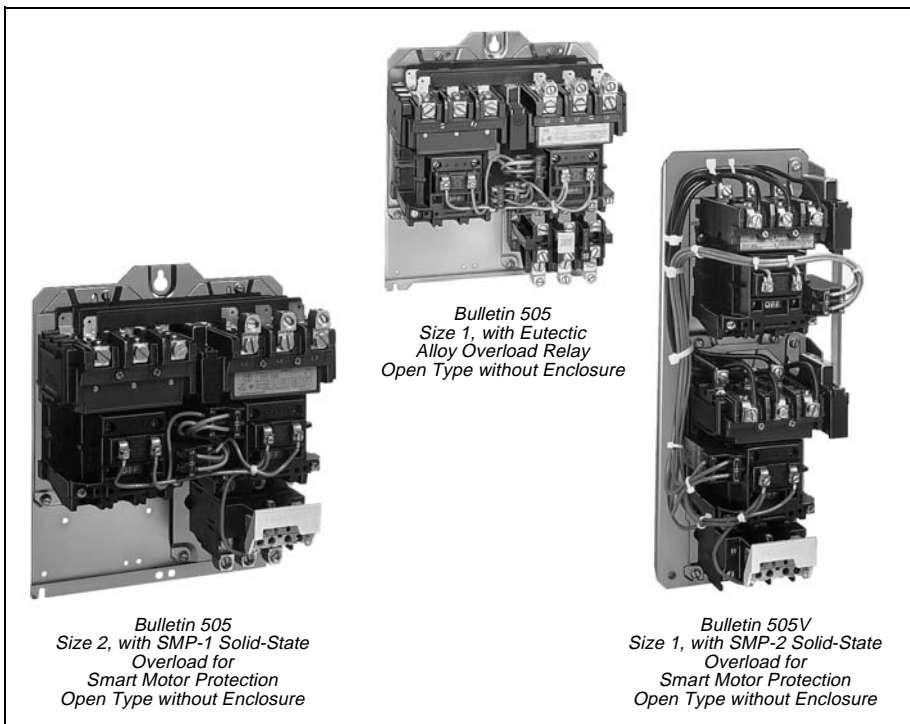


Reversing Vacuum Contactors

Approximate Dimensions

Dimensions are shown in inches (millimeters). Dimensions are not intended to be used for manufacturing purposes.





Bulletin 505

- NEMA Sizes 00...9
- Exceptional Electrical Life
- UL Witnessed Type 2 Coordination
- Dependable Coil Operation
- Cost Saving Design
- Eutectic Alloy Overload Relays
Class 10, 20 or 30
- Solid-State Overload Relays
Class 10, 15, 20 or 30
- Vertically Arranged —
Bulletin 505V Sizes 0...5

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Description

Bulletin 505 reversing starters are most commonly used for full voltage starting and reversing of polyphase squirrel cage motors. Starters Size 00 through 9 are electrically and mechanically interlocked to avoid both contactors being closed simultaneously. Bulletin 505V vertically arranged starters are available in Sizes 0...5 in the Open Type without Enclosure construction only. Bulletin 505 reversing starters are available with Bulletin 592 eutectic alloy overload relay as well as Bulletin 592 solid-state overloads for additional flexibility in motor protection.

Conformity to Standards:

NEMA/EEMAC ICS 2
(Industrial Controls and Systems)
UL 508
CSA 22.2, No. 14
ABS 4/5.115
USCG 46 CFR 111.70
IEEE 45

Approvals:

UL Listed (File No. E3125;
Guide Nos. NLDX, NLDX2, NPKR)
CSA Certified (LR1234)
CE Marked (Per EN 60947)
American Bureau of Shipping (ABS)

A-B EXPRESS Fast Shipment Program

- Fast Shipment of Bulletin 505 NEMA Products 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 starter selected.
- If required, Cat. No. of any accessories.
- Heater elements for eutectic alloy overload relays are not included and must be ordered as a separate Cat. No. located on page 1-201.
- Overload relay code for solid-state overload relay. See page 1-168.