

Versatile, Heavy-Duty Open and Enclosed Starter Solutions

Features and Benefits

- NEMA sizes 00...6 (7-8 MIC)
- Combination and non-combination options
- Eutectic, bimetallic or electronic overload relays for motor protection
- Patented snap-together wiring technology for ease of assembly
- Global short-circuit current ratings (SCCR)
- 30.5 mm command and indication devices optional
- Flange-operated disconnecting means
- Reversing, non-reversing and multi-speed motor options

Common Applications

- Conveyors
- Pumps
- Blowers
- Fans
- Cranes
- Hoists
- Rock crusher



Overview

The Allen-Bradley® NEMA starter portfolio provides a wide variety of options to match your heavy-duty, industrial type application needs. Renowned for rugged construction, more dependable performance and long electrical life, our NEMA starters offer optimal flexibility and ease of installation. These rugged solutions are designed for full-voltage starting of polyphase squirrel-cage motors to provide constant horsepower, constant torque or variable torque.

Allen-Bradley NEMA starters are available open or enclosed in a wide range of sizes with various command and indication options and environmental ratings.

*The right components,
in the right combination.*

Modified Industrial Controls

Are you looking for more complex NEMA starter options? The Modified Industrial Control (MIC) business offers custom designs for enclosures and components for more complex applications.



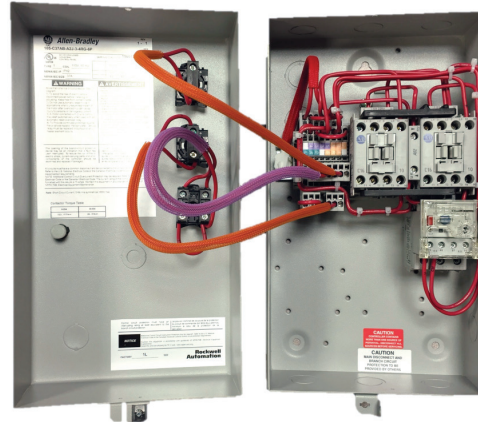
NEMA Enclosed Non-Combination Starters

Our non-combination starters provide motor control and overload protection, and require a separate disconnecting means for the branch circuit protection. The compact design is ideal for applications where space is a premium while still meeting regional certifications.

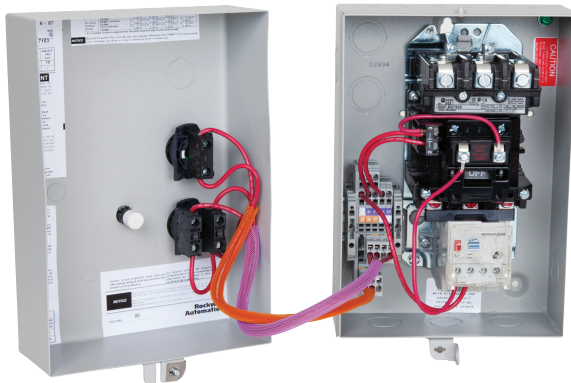
305 Reversing Starter

309 Non-reversing Starter

- Enclosure rating: Type 1; 3R/12; 4/4X (stainless)
- NEMA sizes 0...6 (7, 8 - MIC)
- Electronic overload relay with optional communication module
- Snap-together wiring technology



305 Reversing Starter



509 Non-reversing Starter

505 Reversing Starter

509 Non-reversing Starter

- Enclosure rating: Type 1, 3R/12, 4/4X stainless steel, and 7 & 9
- NEMA sizes 00...6 (7, 8 - MIC)
- Electronic overload relay with optional communication module
- Snap-together wiring technology

520 Multi-Speed Starter

- Enclosure rating: Type 1, 3R/12, 4/4X stainless steel, and 7 & 9
- NEMA sizes 0...7
- Electronic overload relay with optional communication module



520 Multi-Speed Starter

For complete list of product certifications please visit:
<http://www.rockwellautomation.com/global/certification/overview.page?>

NEMA Enclosed Combination Starters

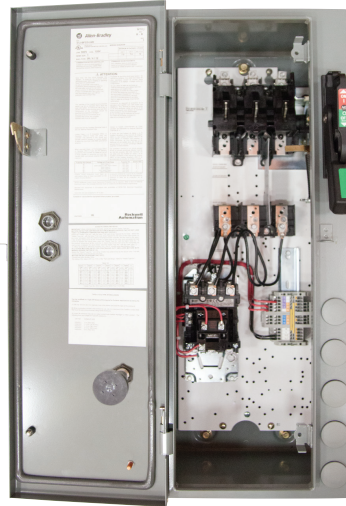
Our combination starters provide a disconnecting means, motor control and overload protection. Combination starters reduce the overall footprint and labor cost for a motor starter installation by eliminating the field wiring and conduit connections between the disconnecting means and the motor starter.

306, 506 Reversing Starter with Visible Blade Disconnect Switch

312, 512 Non-reversing Starter with Visible Blade Disconnect Switch

522 Multi-speed Starter with Visible Blade Disconnect Switch (MIC)

- Enclosure Rating: Type 1, 3R, 4/12, 4X
- NEMA sizes 0...6 (7, 8 - MIC)
- Snap-together wiring technology
- Eutectic and electronic overload relays
- SCCR up to 100 kAIC with fuses



512 Non-reversing Starter with Visible Blade Disconnect Switch



313 Non-reversing Starter with molded case circuit breaker and electronic overload relay

307, 507 Reversing Starter with Molded Case Circuit Breaker

313, 513 Non-reversing Starter with Molded Case Circuit Breaker

523 Multi-speed Starter with Molded Case Circuit Breaker (MIC)

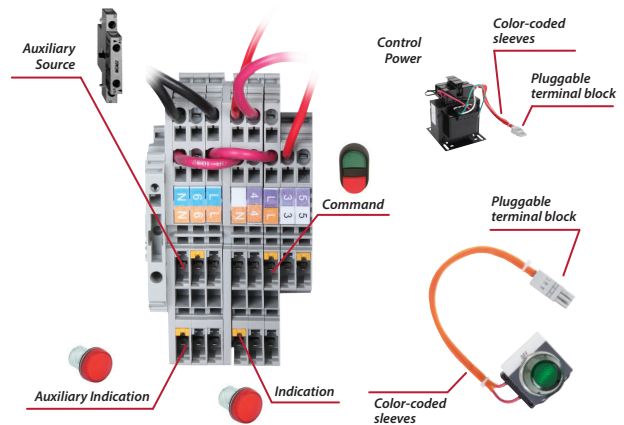
- Enclosure Rating: Type 1, 3R, 4/12, 4X, 7/9
- NEMA sizes 0...6 (7, 8 - MIC)
- Snap-together wiring technology
- Bimetallic and electronic overload relays
- SCCR up to 65 kAIC

Snap-together Wiring Technology

Wiring Made Easy

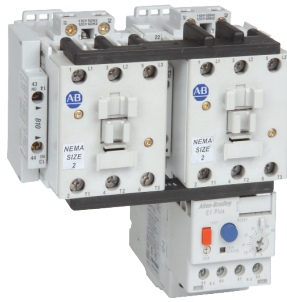
Many of our NEMA enclosed starters now feature component wiring color-coded by function. The wiring sleeve-cover corresponds to a colored label on the terminal block, reducing wiring errors and allowing for quicker installation times.

** Photo shown is representative of snap-together wiring technology. Wiring configuration and command and indication devices vary based on starter type (IEC, NEMA, soft starter).*



NEMA Open Starters

Our open starters provide mounting flexibility using DIN Rail or panel mounting methods in the enclosure of your choice. Available with or without disconnecting means.

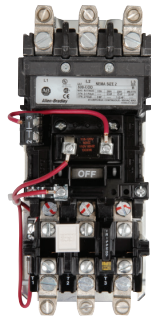


305 Reversing Starter

305 Reversing Starter

309 Non-reversing Starter

- NEMA sizes 0...3
- Electronic overload relay with optional communication module
- DIN or fixed panel mounting through mounting feet
- SCCR up to 5 kAIC

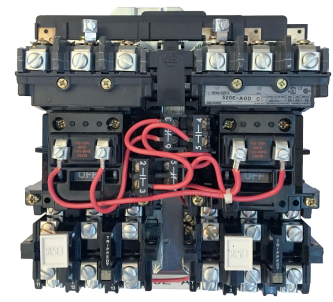


509 Non-reversing Starter

505 Reversing Starter

509 Non-reversing Starter

- NEMA sizes 00...9
- Eutectic or electronic overload relay with optional communication module
- Integral mounting plates offer easy three point mounting for easy assembly
- SCCR up to 85 kAIC



520 Multi-speed Starter

520 Multi-speed Starter

- NEMA sizes 0...7
- Electronic overload relay with optional communication module
- Speed options: 2-speed separate winding, 2-speed con/var torque, 2-speed constant Hp
- Integral mounting plates offer easy three point mounting for easy assembly
- SCCR up to 30 kAIC



Global Short-circuit Current Rating





The Rockwell Automation Global SCCR Selection Tool provides coordinated high fault short-circuit solutions for fused-disconnects, circuit breakers, motor starters, soft starters and component drives.

- One-line "Bills-of-Material" provide coordinated high fault short-circuit current ratings for all power devices used in the circuit
- Tables available for all common global application voltages, 220...690V, 50 Hz or 60 Hz



Mobile optimized

<http://www.rockwellautomation.com/global/support/global-sccr.page?>

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