

Direct-On-Line (DOL) Starters - Enclosed



Solutions

Save Time and Reduce Installation Costs with c3controls E620 & E630 Enclosed DOL Starter Assemblies

Pre-assembled with our Series 300 contactors, Series 330 motor protection circuit breakers or Series 320 overload relays, and 22mm IEC pilot devices, all within the protection of a durable polycarbonate enclosure. With its compact size and factory wiring, our enclosed starters are engineered to save you valuable panel space, cost, and time during installation.



Factory Assembled & Wired

Factory assembled and wired starters and pilot devices provide the convenience of a single catalog number and shorter control panel bill of material.



Integrated Auxiliary

Integral right side mounted auxiliary contacts, 3 power poles + 1 auxiliary, are standard on all c3controls 9A to 25A non-reversing contactors.



Polycarbonate Enclosures

Available in two sizes, our polycarbonate enclosures come with a lift-off cover, and are rated Type 1, 4, 4X, and IP66 for the most demanding applications—including wash-downs and corrosive environments.



Self-Protected

Series 630 DOL Starters are listed as a UL 60947-4-1A Type E self-protected combination Manual Motor Controller for circuits capable of delivering up to 50kA @ 460V.



Current Settings

Full load current adjustment ratio of approximately 1:1.5 enables overload relay to be set to exact Full Load Ampere (FLA) of motor.



Selectable Reset Mode

Manual or automatic reset and test modes, and stop button all in a single device for convenient control circuit wiring.



Trip Test Function

Trip test function comes standard on all c3controls Series 320-B2 to 320-B5 overload relays and allows for easier installation, testing, and troubleshooting.

Range

A Wide range of Features, Functionality, and Performance for the Most Demanding Applications

c3controls' range of enclosed motor starters offer a wide variety of features, functionality, and performance levels in one simple catalog number for the most demanding applications.



E620 CONTACTOR + OVERLOAD RELAY ASSEMBLIES

- Five (5) frame sizes for devices rated from 9A to 65A. Starters rated 15HP @ 460V (11kW @ 400V) are only 45mm (1-49/64") wide reducing panel area requirements – smaller enclosures can be used for lower installed costs.
- A wide variety of AC and DC operating coils for control circuit application flexibility. 50A to 80A DC operated devices feature electronic coil control.
- The cover mounted reset push button allows the starter to be reset from outside the enclosure



E630 MOTOR PROTECTION CIRCUIT BREAKER + CONTACTOR ASSEMBLIES

- Reduced panel area for lower installed costs—three (3) contactor frame sizes directly interchangeable with other manufacturers
- Contactor provides repeated ON/OFF switching for the motor, and the motor protection circuit breaker includes both a Class 10 thermal and magnetic trip elements for overload and short circuit protection of the motor and motor branch circuit conductors
- Red/Yellow or Black/Grey Operating Handles that can be padlocked in the "OFF" position with up to three padlocks for extra safety and the security needed during maintenance activities



E630 MOTOR PROTECTION CIRCUIT BREAKER + CONTACTOR ASSEMBLIES - TYPE E

- UL 60947-4-1 Self-protected combination motor controller integrates protective functions into a single unit suitable for use in circuits delivering up to 50kA at 480V
- Type E devices provide motor disconnecting means, branch short circuit and ground fault protection, motor control and motor overload protection, reducing size and eliminating upstream fuses or circuit breakers for a motor circuit

Performance & Safety

Optimal Performance and Safety

Designed to provide reliable protection for your motors and perform in the most demanding situations.



Proven

UL Listed and CE marked, our Series E620 and E630 Enclosed Direct-On-Line (DOL) Starter Assemblies are designed to perform in a broad range of applications.

Backed with a Lifetime Warranty



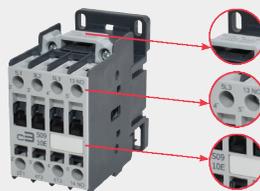
High Fault Short Circuit Current Rating

High fault short circuit current rating of 100kA @ 480V and 600V for Series 620 and 50kA @ 480V for Series 630, both with Class J Fuses, provides safety and reliability in high fault applications.



Added Safety

IP20 guarded terminals with dual terminal markings prevent accidental contact with live parts.



Visible Markings

High-visibility labels and markings. Dual IEC and NEMA terminal markings for easy wiring anywhere in the world.

GET THE MOST OUT OF OUR COMPLETE LINE OF ENCLOSED DIRECT-ON-LINE STARTERS.

Download resources, request a catalog, and configure products!

SHOP NOW:

www.c3controls.com/dol-starters-enclosed