

Direct-On-Line (DOL) Starters - Open



Solutions

Reduce Your Costs and Enhance the Features and Performance of Your Equipment

c3controls' Series 620 and 630 assembled starters are compact in size, are easy to install, and provide reliable and accurate protection against overload and phase loss conditions. Power and control circuit terminals are readily accessible for easy wiring, while shared accessories enable starters to be customized for virtually any application.



Convenience

Factory assemblies of a Series 300 Contactor & Series 320 Overload Relay and Series 330 Motor Protection Circuit Breaker & Series 300 Contactor provides 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.



Snap-On Accessories

Snap-on accessories are easily installed without the use of tools, lowering assembly and installation costs.



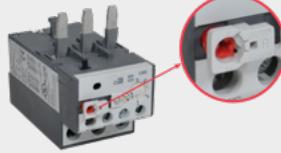
Self-Protected

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 Setting

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

The features, performance, overload and short circuit protection, small size and ease of installation of our Direct-On-Line (DOL) Starters will help reduce total installed costs and enhance equipment functionality.



620 CONTACTOR + OVERLOAD RELAY ASSEMBLIES

- Four (4) frame sizes for devices rated from 9A to 105A. Starter 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.
- Compact size – devices rated 25A include 3 power poles that are 45mm (1-49/64") wide reducing panel area requirements – smaller enclosures can be used for lower installed costs
- AC and DC operating coils for control circuit application flexibility. 50A to 105A DC operated devices feature electronic coil control.



630 MOTOR PROTECTION CIRCUIT BREAKER + CONTACTOR ASSEMBLIES

- Designed for optimum performance in multi-motor installations, and can achieve Type 2 coordination in circuits capable of delivering up to 50kA at 460V
- Compact size – only 45mm (1-49/64") wide up to 20HP @ 460V (15kW @ 400V) to minimize the amount of panel area required
- UL Listed Type E devices are available
- The "ON/OFF" manual operator enables individual motor circuits to be easily isolated without having to disconnect all of the circuits in a control panel
- Trip indicating auxiliary contacts can be used to identify the trip cause – overload (1 NO and 1 NC) or short circuit (1 NO and 1 NC), to help determine the type of service/maintenance that may be required



ACCESSORIES

- Snap-on accessories are easily installed without the use of tools, lowering assembly and installation costs
- 630 accessories include standard auxiliary contacts, trip indicating auxiliary contacts, shunt and undervoltage release modules, external operating handle, and many wiring accessories such as commoning links and feeder terminals for easy distribution of power to multiple motor protection circuit breakers

Optimal Performance and Safety

Designed to provide reliable and accurate protection against overload and phase loss conditions and are ideal for use in group motor installations. They're perfect for where panel space is a premium and device modularity is a must.



Proven

UL Listed and CE marked, our Series 620 and 630 Direct-On-Line (DOL) Starter Assemblies are designed to perform in a broad range of applications.

Guaranteed Same-Day Shipping



High Fault Short Circuit Current Rating

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

Backed with a Lifetime Warranty



Identification Marker

Removable and replaceable identification marker, standard on all c3controls Series 620 and 630 DOL Starters, simplifies troubleshooting in panels with many devices.



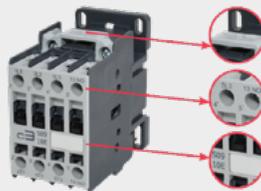
Easy to Install

35mm DIN rail mounting for fast and easy installation and removal, or panel mounting with mounting feet for more secure installation in high shock and vibration 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 DOL OPEN STARTERS.

Download resources, request a catalog, and configure products!

SHOP NOW:

www.c3controls.com/dol-starters-open

