

ENCLOSED DIRECT-ON-LINE (DOL) STARTERS

(MOTOR PROTECTION CIRCUIT BREAKER + CONTACTOR)

series E630 SERIES E630 PRODUCT PROFILE

c3controls **Series E630 Enclosed Direct-On-Line (DOL) Starters** are assembled from our Series 330 Motor Protection Circuit Breaker, Series 300 Contactor, and 22mm IEC pilot devices, all with the protection of our durable Polycarbonate enclosure. Our Series E630 is factory wired, with the option of no pre-wiring, saving you time and reducing installation costs, and is also available in Type E.



DELIVERING SUPERIOR PRODUCT QUALITY AND MANUFACTURING EXCELLENCE

✓ Proven	Our Series E630 Enclosed DOL Starters are UL Listed and CE marked meeting global standards requirements. 
✓ Compact	Reduced panel area for lower installed costs—Three (3) contactor frame sizes directly interchangeable with other manufacturers.
✓ Simple Customization	Our Series E630 Enclosed DOL Starters are available with various pilot device and wiring options for appropriate operator interface.
✓ 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.
✓ Reliable	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.
✓ Environmentally Secure	With 4/4X and IP65, our Series E630 line is built to last and withstand dust, corrosion, ice and rain.
✓ 36-Month Warranty*	Every product is backed by our 36-Month Warranty—giving you confidence in the quality, reliability, and performance of components designed for the most demanding applications.
✓ Quick Shipment	We assemble, test and ship within 3 days, including legend plates—and confirm every order ensuring accuracy.
✓ Advantage Pricing	Our approach to product development, manufacturing, and focus on servicing the OEM and Electrical Equipment Builder reduces cost. The result—the best value in the industry.

*See c3controls Terms & Conditions

UNIQUE PRODUCT LINE FEATURES

Factory Assembled and Wired

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

Self-Protected

- Listed as a UL 60947-4-1A Type E Self-protected Combination Manual Motor Controller for circuits capable of delivering up to 50kA @ 460V.

High Fault SCCR

- High fault short circuit current rating of 50kA @ 480V provides safety and reliability in high fault applications.

Multi-Function Device

- Our Series 330 MPCBs are certified as Manual Motor Controllers Suitable as Motor Disconnects, can be used in Group Motor Installations, and can be used to manually control individual motors and protect them against overload and short circuit currents.

Adjustable Current Setting

- Full load current adjustment ratio enables overload relay to be set to exact FLA of motor. Provides phase protection for the motor against overload currents.



LIFETIME WARRANTY QUICK SHIPMENT ADVANTAGE PRICING

c3controls®

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(MOTOR PROTECTION CIRCUIT BREAKER + CONTACTOR)

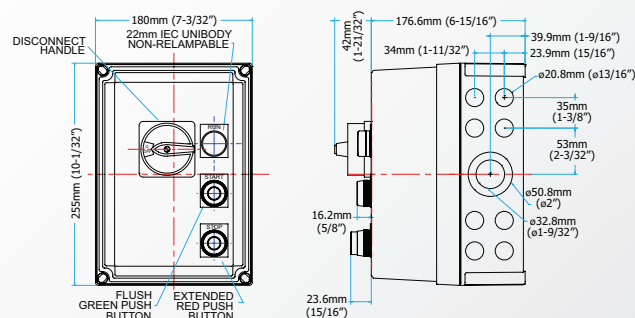
SPECIFICATIONS

STARTER CURRENT RATING			9A	12A	18A	25A	32A	40A
		UNITS						
ELECTRICAL GENERAL								
Rated Operating Frequency		Hz	50/60					
Rated Control Frequencies		Hz	AC: 50Hz, 60Hz, 50/60Hz and DC					
ELECTRICAL UL/CSA APPLICATIONS								
Rated Operating Voltage, Ue		VAC	600					
Short Circuit Current Rating @ 480V AC		kA	50					
Max. Fuse or Circuit Breaker Size		A	450					
Short Circuit Current Rating @ 600V AC		kA	25					
Max. Fuse or Circuit Breaker Size		A	450					
ELECTRICAL IEC APPLICATIONS								
Rated Insulation Voltage, Ui		V	690					
Rated Impulse Voltage, Uimp		kV	6					
Rated Operating Voltage, Ue		VAC	690					
COIL CHARACTERISTICS								
Rated Insulation Voltage, Ui		V	1,000					
Operating Limits			80 ~ 110% of Rated Coil Voltage					
ENVIRONMENTAL								
Ambient Operating Temperature		°C / °F	-20 to +55 / -4 to +131					
Ambient Storage Temperature		°C / °F	-50 to +80 / -58 to +176					
Altitude		m / ft.	2,000 / 6,562					
Environmental Protection Ratings								
Main Terminals (with conductors connected)			IP20					
Coil Terminals			IP20					
Auxiliary Contact Terminals			IP20					
Operating Handle: Code G			Type 1, 2, 3, 3R, 4/4X, 12, 13, IP65					
Enclosure: Codes G, H			Type 1, 4/4X and IP66					
Pilot Devices			Type 1, 2, 3, 3R, 4/4X, 12, 13 and IP65					
CONSTRUCTION - GENERAL								
Number of Poles			3					
Pollution Degree			3					
Trip Class			10					
MATERIALS								
Enclosure			Polycarbonate					
ROHS COMPLIANCE								
For RoHS compliance documentation by product, refer to www.c3controls.com .								

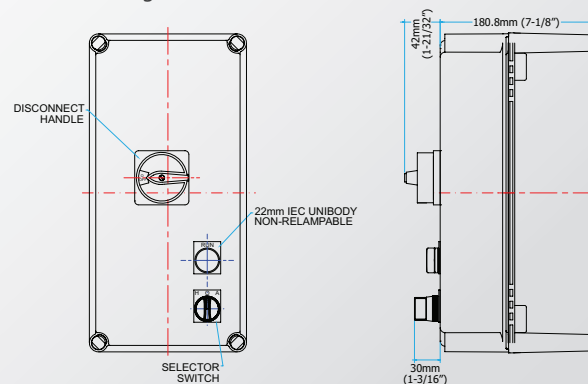
For complete ratings and detailed specifications refer to www.c3controls.com.

DIMENSIONS

Enclosure Type "G" (Shown with MPCB, Contactor, Disconnect Switch, Pilot Light and 2 Push Buttons)



Enclosure Type "H" (Shown with MPCB, Contactor, Disconnect Switch, Pilot Light and Selector Switch)



PROVEN

Conformity to Standards:

MOTOR PROTECTION CIRCUIT BREAKERS

UL File #: E187641 (Guide NLRV, NLRV7), E312106 (Guide NKJH, NKJH7)

CSA C22.2 No. 14
IEC 60947-1, 60947-4-1

CONTACTORS

UL File #: E236197 (Guide NLDX, NLDX7), E68568 (Guide NKCR, NKCR7)

CSA C22.2 No. 14
IEC 60947-1, 60947-4-1

ENCLOSURES

UL 50
CSA C22.2 No. 94
IEC 60529

Certifications:

CE Marked (per EU Low Voltage Directive 2006/95/EC and RoHS Directive 2011/65/EU)

UL Listed
CSA Certified

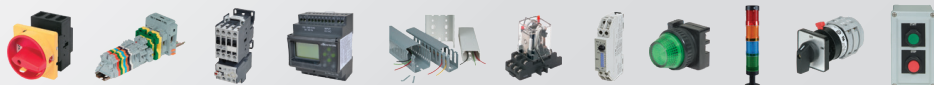
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UL Listed
CSA Certified



Visit c3controls.com to download product certifications.



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