

ENCLOSED DIRECT-ON-LINE (DOL) STARTERS


(MOTOR PROTECTION CIRCUIT BREAKER + CONTACTOR)

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.
✓ Lifetime Warranty*	Every product is backed by our lifetime warranty—unmatched in the industry—bringing you quality components that perform in 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



PO Box 496 • Beaver, PA 15009
724.775.7926 • www.c3controls.com

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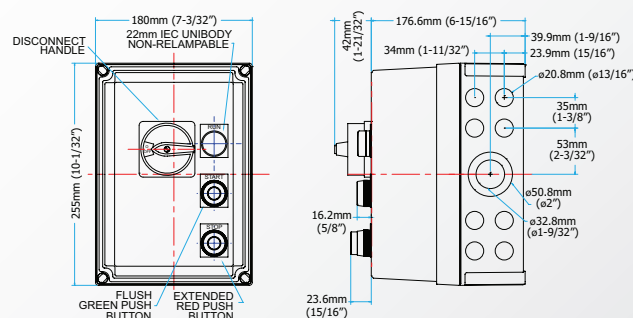
SPECIFICATIONS

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 .							

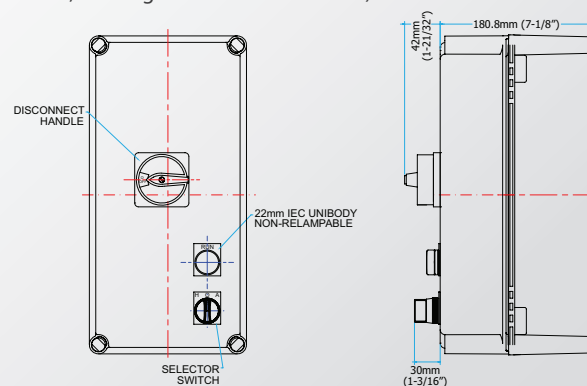
For complete ratings and detailed specifications refer to www.c3controls.com.

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

Certifications:

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

CONTACTORS

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

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

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

ENCLOSURES

UL 50
CSA C22.2 No. 94
IEC 60529

UL Listed
CSA Certified



Visit c3controls.com to download product certifications.

