

ENCLOSED UL508A COMBINATION MOTOR STARTERS



c3controls' Series ECP-300 Enclosed UL508A Combination Motor Starters come with all the features and benefits of our Series 330 Motor Protection Circuit Breaker, Series 300 Contactor, Series 1100 UL 489 Branch Circuit Breaker, and 22mm IEC pilot devices with the added protection of our durable Polycarbonate or Carbon Steel enclosures. Our Series ECP-300 combination motor starters are factory wired with a control transformer saving you time and reducing installation costs.



Section 30

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PROVEN



Conformity to Standards:

MOTOR PROTECTION CIRCUIT BREAKERS

UL 508, 60947-4-1A
CSA C22.2 No. 14
IEC 60947-1, 60947-4-1

CONTACTORS

UL 508, 60947-4-1A
CSA C22.2 No. 14
IEC 60947-1, 60947-4-1

ENCLOSURES

UL 50
CSA C22.2 No. 94
IEC 60529

Certifications:

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

CE Marked (per EU Low Voltage Directive 2014/35/EU and
RoHS Directive 2015/863/EU)

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

CE Marked (per EU Low Voltage Directive 2014/35/EU and
RoHS Directive 2015/863/EU)

UL Listed
CSA Certified

Visit c3controls.com to download product certifications.

ENCLOSED UL508A COMBINATION MOTOR STARTERS

All our products are fully certified, rated, and backed by our 36-month warranty to meet the needs of the machine builder, and our Enclosed Combination Motor Starters are no exception. Check out the incredible features in the chart below!

DELIVERING SUPERIOR PRODUCT QUALITY AND MANUFACTURING EXCELLENCE

✓ Proven	Our Series ECP-300 Enclosed UL508A Combination Motor Starters are UL508A Listed and CE marked meeting global standards requirements.	
✓ Enclosure Flexibility	Our ECP-300 Enclosed UL508A Motor Starters are available in Polycarbonate (Type 4X) and two versions of Carbon Steel (Type 1 or Type 3R, 4).	
✓ 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.	
✓ Enhanced Integration	Our ECP-300 Enclosed UL508A Motor Starters are pre-wired to accept inputs from your BAS, PLC, relay or other dry contact for control in Auto mode.	
✓ Simple Solution	c3controls' Electrical Engineers have designed enclosed combination motor starters specifically for any electric impeller, fan, pump, conveyor, or air handling motor applications.	
✓ 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 5 days,—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

Polycarbonate Enclosure

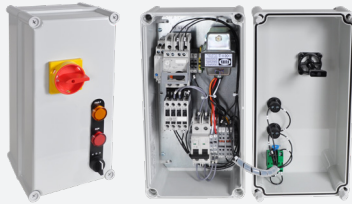


Carbon Steel Enclosure



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



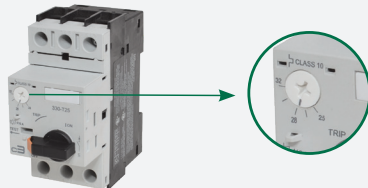
Listed as a UL 60947-4-1A Type E Self-Protected Combination Manual Motor Controller for circuits capable of delivering up to 10kA @ 600V.

PRE-WIRED CONTROL CIRCUIT



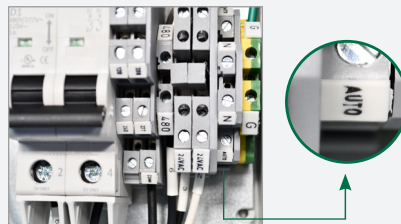
Pre-wired for quick and easy field installation, including color-coded and marked terminal blocks, control transformer, and controls circuit protection for simplicity of control circuit voltage, 24VAC or 120VAC options available.

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.

INTEGRATION READY



The integration ready Hand-Off-Auto control circuit is pre-wired to accept Auto Run, On / Off commands from your BAS, PLC, relay or other dry contact for remote control in Auto mode.

FIND IT FAST

Enclosed UL508A
Combination Motor Starters



- Certifications
- Specifications
- Dimension Drawings
- Installation Instructions
- Easy to Buy

c3controls.com

IT'S EASY TO BUILD YOUR OWN ENCLOSED UL508A STARTER

Simply pick the code number from each of the sections below and combine them to build your part number.

Enclosed UL508A Combination Motor Starter

ECP - 300 - I II III IV V

Example: To build one of our most popular Enclosed UL508A Combination Starters, the part number would be

ECP + 300 + III + IV + V or **ECP-300-2D63-M4-UXC**



I. PRODUCT SERIES

CODE	DESCRIPTION
ECP	Series ECP, Engineered Control Panel

II. PRODUCT TYPE

CODE	DESCRIPTION	LIST
300	Enclosed UL508A Combination Motor Starter	\$1,012.50

III. MOTOR STARTER SIZE

CODE	RATED OPERATING CURRENT (A)	ADJUSTMENT RANGE (A)	MAGNETIC TRIP CURRENT (A)	1 PHASE HP** (60HZ)		3 PHASE HP** (60HZ)				LIST
				115V	230V	200V	230V	460V	575V	
2C16	0.16	0.1 ~ 0.16	2.1	—	—	—	—	—	—	—
2C25	0.25	0.16 ~ 0.25	3.3	—	—	—	—	—	—	—
2C40	0.40	0.25 ~ 0.4	5.2	—	—	—	—	—	—	—
2C63	0.63	0.4 ~ 0.63	8.2	—	—	—	—	—	1/4	—
2D10	1.0	0.63 ~ 1.0	13	—	—	—	—	1/2	1/2	—
2D16	1.6	1.0 ~ 1.6	21	—	1/10	1/4	1/3	3/4	1	—
2D25	2.5	1.6 ~ 2.5	33	—	1/6	1/2	1/2	1-1/2	1-1/2	—
2D40	4.0	2.5 ~ 4.0	52	1/8	1/3	3/4	1	2	3	—
2D63	6.3	4.0 ~ 6.3	82	1/4	3/4	1-1/2	1-1/2	3	5	—
2U10	10	6.3 ~ 10	130	1/2	1-1/2	3	3	7-1/2	10	—
2U16	16	10 ~ 16	208	1	3	5	5	10	15	—
2U20	20	16 ~ 20	260	1-1/2	3	5	7-1/2	15	20	\$ 56.25
2U25	25	20 ~ 25	325	2	3	7-1/2	7-1/2	15	20	\$112.50
2U32	32	25 ~ 32	416	3	5	10	10	20	25	\$168.75

**Note: HP ratings shown in the table above are for reference. The final selection of the motor starter must be based on the actual motor full load current.

IV. ENCLOSURE

CODE	MATERIAL	ENVIRONMENTAL RATING	DIMENSIONS (HXWxD)	LIST
P4X	Polycarbonate	Type 1, 4/4X, and IP66	14-7/8" x 7-13/32" x 7-1/8"	—
M1	Carbon Steel, ANSI-61 grey powder coating inside and out	Type 1	14" x 12" x 8"	\$281.25
M4	Carbon Steel, ANSI-61 grey powder coating inside and out	Type 3R, 4, & 12	14" x 12" x 8"	\$506.25

V. PRIMARY/SECONDARY VOLTAGE

CODE	DESCRIPTION		LIST
	PRIMARY MOTOR VOLTAGE	SECONDARY CONTROL VOLTAGE	
UXC	480 VAC	24 VAC	—
	277 VAC		
	240 VAC		
	208 VAC		
	120 VAC		
UD	480 VAC	120 VAC	\$18.00
	277 VAC		
	240 VAC		
	208 VAC		
CD	600 VAC	120 VAC	\$24.00
	575 VAC		
	550 VAC		

DISCOUNT
SCHEDULE

H

ENCLOSED UL508A E630 COMBINATION MOTOR STARTERS

c3controls Series ECP-300 Enclosed UL508A Combination Motor Starters are assembled from our Series 330 Motor Protection Circuit Breaker, Series 300 Contactor, Series 1100 489 Branch Circuit Breaker, and 22mm IEC pilot devices, all within the protection of a durable Polycarbonate or Carbon Steel enclosure. Our Series ECP-300 combination motor starters are factory wired with a control transformer saving you time and reducing installation costs.

Product features include:

- Enclosed combination motor starters offer the convenience of a single catalog number.
- Provides the same great features and benefits as our Enclosures, Series 330 Motor Protection Circuit Breakers, Series 300 Contactors, Series 1100 UL 489 Branch Circuit Breakers, and Series 22mm IEC Pilot Devices.
- Polycarbonate enclosure comes with a lift-off cover and is rated Type 4X.
- Carbon Steel enclosure comes in two versions; Type 1 or Type 3R, 4.
- Integration ready control circuit comes equipped with a Hand-Off-Auto selector switch and pre-wired connection points to accept Auto Run, On / Off commands from your BAS, PLC, relay or other dry contact for remote operation in Auto mode.
- Red/Yellow operating handle can be padlocked in the OFF position with up to three padlocks for extra safety and security needed during maintenance activities.
- Unobstructed access to the two contactor coil terminals on the load-side of the starter makes control circuit wiring simple.
- Compact starter size reduces enclosure size resulting in space savings and lower installed costs.
- Single phase sensitivity to protect motors against damaging phase loss conditions.
- Universal ratings and markings: A, kW, and HP ratings as well as applicable 3rd party certifications.



REPLACEMENT PARTS			
FOR USE WITH	REPLACEMENT ITEM NUMBER	DESCRIPTION	LIST
MPCB EXTERNAL OPERATING HANDLE KIT			
Polycarbonate Enclosure ECP-300-### - P4X- ##	330-S2PHGRY03-P4X	MPCB External Operating Handle - Red Handle & Yellow Coupler with Shaft Assembly, use with Polycarbonate (P4X) enclosure	\$ 75.00
Carbon Steel Enclosure ECP-300-### - M1- ## ECP-300-### - M4- ##	330-S2PHGRY03-M4	MPCB External Operating Handle - Red Handle & Yellow Coupler with Shaft Assembly, use with Metal (M4 / M1) enclosure	\$ 75.00
MINIATURE CIRCUIT BREAKER			
All ECP-300 products	1100-CB2D2D10	Miniature Circuit Breaker, 2 Pole, 1A, Trip Curve D, UL 489	\$ 116.00
LEGEND PLATE			
All ECP-300 products	LP-ECP-107	Legend Plate, ECP-300, H-O-A	\$ 45.00
PILOT LIGHT			
ECP-300-### - ## - CD ECP-300-### - ## - UD	W22UNR-120LR-WNLR	22mm IEC Unibody Non-Relampable LED Light, 120V AC/DC, Red LED, Red UNR Lens	\$ 15.00
ECP-300-### - ## - CD ECP-300-### - ## - UD	W22UNR-120LA-WNLA	22mm IEC Unibody Non-Relampable LED Light, 120V AC/DC, Amber LED, Amber UNR Lens	\$ 15.00
ECP-300-### - ## - UXC	W22UNR-24LR-WNLR	22mm IEC Unibody Non-Relampable LED Light, 24V AC/DC, Red LED, Red UNR Lens	\$ 15.00
ECP-300-### - ## - UXC	W22UNR-24LA-WNLA	22mm IEC Unibody Non-Relampable LED Light, 24V AC/DC, Amber LED, Amber UNR Lens	\$ 15.00
SELECTOR SWITCH			
All ECP-300 products	W22S3-HW-10/10	22mm IEC Selector Switch, 3 Position, White Handle, 1NO / 1NO	\$ 31.30
CONTACTOR COIL, 120V AC 60HZ			
ECP-300-2C16 to 2U25 - ## - CD ECP-300-2C16 to 2U25 - ## - UD	ACS25D	Contacteur Coil, 120V AC 60Hz for use with contactors S09, S12, S18, S25	\$ 26.00
ECP-300-2U32 - ## - CD ECP-300-2U32 - ## - UD	ACS40D	Contacteur Coil, 120V AC 60Hz for use with contactors S32, S40	\$ 30.00
CONTACTOR COIL, 24V AC 50/60HZ			
ECP-300-2C16 to 2U25 - ## - UXC	ACS25XC	Contacteur Coil, 24V AC 50/60Hz for use with contactors S09, S12, S18, S25	\$ 26.00
ECP-300-2U32 - ## - UXC	ACS40XC	Contacteur Coil, 24V AC 50/60Hz for use with contactors S32, S40	\$ 30.00

REPLACEMENT PARTS			
FOR USE WITH	REPLACEMENT ITEM NUMBER	DESCRIPTION	LIST
STARTER KIT: MPCB + CONTACTOR WITH AUXILIARY CONTACTS AND TERMINAL BARRIER, 120V 60HZ/ 110V 50HZ COIL VOLTAGE			
ECP-300-2C16-## - UD ECP-300-2C16-## - CD	630-S18D10-2C16-F11-T22-L	Series 630 Direct-On-Line Starter (DOL) 3P 18A Non-Reversing Contactor, 120V 60Hz/ 110V 50Hz Coil, 1NO Aux Contact, 0.1 ~ 0.16A MPCB with 1NO/1NC Front Mounted Aux Contact, 2NO/2NC Trip Indicating Aux Contact, LSTB	\$ 417.00
ECP-300-2C25-## - UD ECP-300-2C25-## - CD	630-S18D10-2C25-F11-T22-L	Series 630 Direct-On-Line Starter (DOL) 3P 18A Non-Reversing Contactor, 120V 60Hz/ 110V 50Hz Coil, 1NO Aux Contact, 0.16 ~ 0.25A MPCB with 1NO/1NC Front Mounted Aux Contact, 2NO/2NC Trip Indicating Aux Contact, LSTB	\$ 417.00
ECP-300-2C40-## - UD ECP-300-2C40-## - CD	630-S18D10-2C40-F11-T22-L	Series 630 Direct-On-Line Starter (DOL) 3P 18A Non-Reversing Contactor, 120V 60Hz/ 110V 50Hz Coil, 1NO Aux Contact, 0.25 ~ 0.4A MPCB with 1NO/1NC Front Mounted Aux Contact, 2NO/2NC Trip Indicating Aux Contact, LSTB	\$ 427.00
ECP-300-2C63-## - UD ECP-300-2C63-## - CD	630-S18D10-2C63-F11-T22-L	Series 630 Direct-On-Line Starter (DOL) 3P 18A Non-Reversing Contactor, 120V 60Hz/ 110V 50Hz Coil, 1NO Aux Contact, 0.4 ~ 0.63A MPCB with 1NO/1NC Front Mounted Aux Contact, 2NO/2NC Trip Indicating Aux Contact, LSTB	\$ 431.00
ECP-300-2D10-## - UD ECP-300-2D10-## - CD	630-S18D10-2D10-F11-T22-L	Series 630 Direct-On-Line Starter (DOL) 3P 18A Non-Reversing Contactor, 120V 60Hz/ 110V 50Hz Coil, 1NO Aux Contact, 0.63 ~ 1.0A MPCB with 1NO/1NC Front Mounted Aux Contact, 2NO/2NC Trip Indicating Aux Contact, LSTB	\$ 434.00
ECP-300-2D16-## - UD ECP-300-2D16-## - CD	630-S18D10-2D16-F11-T22-L	Series 630 Direct-On-Line Starter (DOL) 3P 18A Non-Reversing Contactor, 120V 60Hz/ 110V 50Hz Coil, 1NO Aux Contact, 1.0 ~ 1.6A MPCB with 1NO/1NC Front Mounted Aux Contact, 2NO/2NC Trip Indicating Aux Contact, LSTB	\$ 434.00
ECP-300-2D25-## - UD ECP-300-2D25-## - CD	630-S18D10-2D25-F11-T22-L	Series 630 Direct-On-Line Starter (DOL) 3P 18A Non-Reversing Contactor, 120V 60Hz/ 110V 50Hz Coil, 1NO Aux Contact, 1.6 ~ 2.5A MPCB with 1NO/1NC Front Mounted Aux Contact, 2NO/2NC Trip Indicating Aux Contact, LSTB	\$ 434.00
ECP-300-2D40-## - UD ECP-300-2D40-## - CD	630-S18D10-2D40-F11-T22-L	Series 630 Direct-On-Line Starter (DOL) 3P 18A Non-Reversing Contactor, 120V 60Hz/ 110V 50Hz Coil, 1NO Aux Contact, 2.5 ~ 4.0A MPCB with 1NO/1NC Front Mounted Aux Contact, 2NO/2NC Trip Indicating Aux Contact, LSTB	\$ 434.00
ECP-300-2D63-## - UD ECP-300-2D63-## - CD	630-S18D10-2D63-F11-T22-L	Series 630 Direct-On-Line Starter (DOL) 3P 18A Non-Reversing Contactor, 120V 60Hz/ 110V 50Hz Coil, 1NO Aux Contact, 4.0 ~ 6.3A MPCB with 1NO/1NC Front Mounted Aux Contact, 2NO/2NC Trip Indicating Aux Contact, LSTB	\$ 443.00
ECP-300-2U10-## - UD ECP-300-2U10-## - CD	630-S18D10-2U10-F11-T22-L	Series 630 Direct-On-Line Starter (DOL) 3P 18A Non-Reversing Contactor, 120V 60Hz/ 110V 50Hz Coil, 1NO Aux Contact, 6.3 ~ 10A MPCB with 1NO/1NC Front Mounted Aux Contact, 2NO/2NC Trip Indicating Aux Contact, LSTB	\$ 449.00
ECP-300-2U16-## - UD ECP-300-2U16-## - CD	630-S18D10-2U16-F11-T22-L	Series 630 Direct-On-Line Starter (DOL) 3P 18A Non-Reversing Contactor, 120V 60Hz/ 110V 50Hz Coil, 1NO Aux Contact, 10 ~ 16A MPCB with 1NO/1NC Front Mounted Aux Contact, 2NO/2NC Trip Indicating Aux Contact, LSTB	\$ 465.00
ECP-300-2U20-## - UD ECP-300-2U20-## - CD	630-S25D10-2U20-F11-T22-L	Series 630 Direct-On-Line Starter (DOL) 3P 25A Non-Reversing Contactor, 120V 60Hz/ 110V 50Hz Coil, 1NO Aux Contact, 16 ~ 20A MPCB with 1NO/1NC Front Mounted Aux Contact, 2NO/2NC Trip Indicating Aux Contact, LSTB	\$ 492.00
ECP-300-2U25-## - UD ECP-300-2U25-## - CD	630-S32D10-2U25-F11-T22-L	Series 630 Direct-On-Line Starter (DOL) 3P 32A Non-Reversing Contactor, 120V 60Hz/ 110V 50Hz Coil, 1NO Aux Contact, 20 ~ 25A MPCB with 1NO/1NC Front Mounted Aux Contact, 2NO/2NC Trip Indicating Aux Contact, LSTB	\$ 556.00
ECP-300-2U32-## - UD ECP-300-2U32-## - CD	630-S32D10-2U32-F11-T22-L	Series 630 Direct-On-Line Starter (DOL) 3P 32A Non-Reversing Contactor, 120V 60Hz/ 110V 50Hz Coil, 1NO Aux Contact, 25 ~ 32A MPCB with 1NO/1NC Front Mounted Aux Contact, 2NO/2NC Trip Indicating Aux Contact, LSTB	\$ 556.00

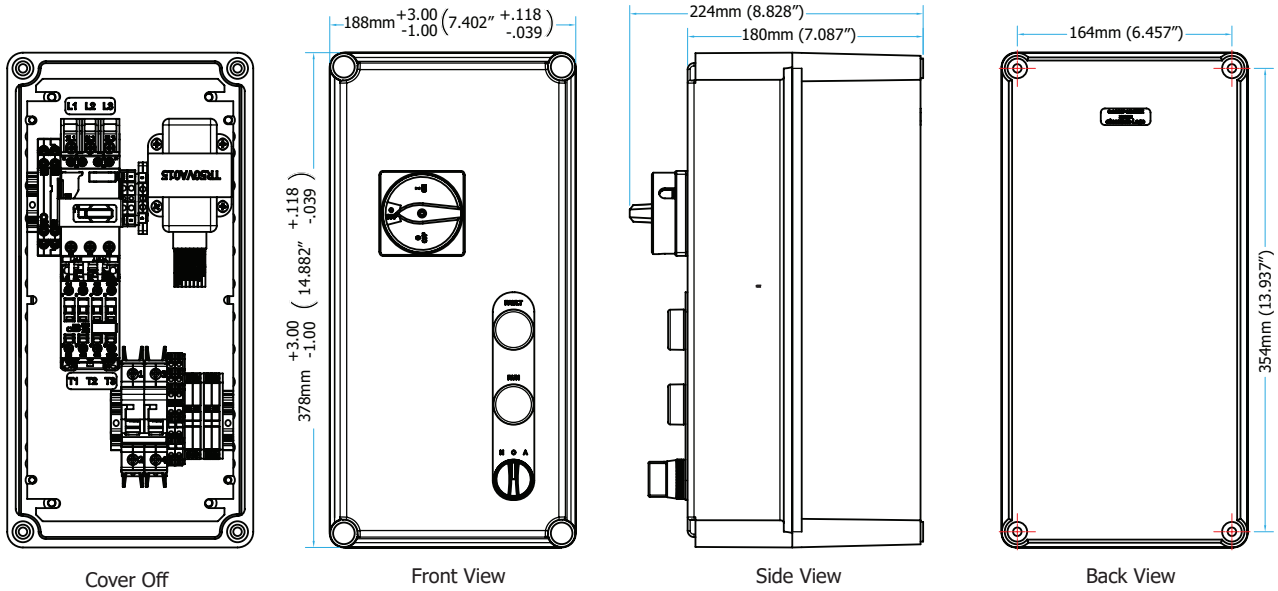
REPLACEMENT PARTS			
FOR USE WITH	REPLACEMENT ITEM NUMBER	DESCRIPTION	LIST
STARTER KIT: MPCB + CONTACTOR WITH AUXILIARY CONTACTS AND TERMINAL BARRIER, 24V AC 50/60HZ COIL VOLTAGE			
ECP-300-2C16-## - UXC	630-S18XC10-2C16-F11-T22-L	Series 630 Direct-On-Line Starter (DOL) 3P 18A Non-Reversing Contactor, Coil: 24VAC 60Hz/50Hz, 1NO Aux Contact, 0.01 ~ 0.16A MPCB with 1NO/1NC Front Mounted Aux Contact, 2NO/2NC Trip Indicating Aux Contact, LSTB	\$ 452.00
ECP-300-2C25-## - UXC	630-S18XC10-2C25-F11-T22-L	Series 630 Direct-On-Line Starter (DOL) 3P 18A Non-Reversing Contactor, Coil: 24VAC 60Hz/50Hz, 1NO Aux Contact, 0.16 ~ 0.25A MPCB with 1NO/1NC Front Mounted Aux Contact, 2NO/2NC Trip Indicating Aux Contact, LSTB	\$ 452.00
ECP-300-2C40-## - UXC	630-S18XC10-2C40-F11-T22-L	Series 630 Direct-On-Line Starter (DOL) 3P 18A Non-Reversing Contactor, Coil: 24VAC 60Hz/50Hz, 1NO Aux Contact, 0.25 ~ 0.4A MPCB with 1NO/1NC Front Mounted Aux Contact, 2NO/2NC Trip Indicating Aux Contact, LSTB	\$ 462.00
ECP-300-2C63-## - UXC	630-S18XC10-2C63-F11-T22-L	Series 630 Direct-On-Line Starter (DOL) 3P 18A Non-Reversing Contactor, Coil: 24VAC 60Hz/50Hz, 1NO Aux Contact, 0.4 ~ 0.63A MPCB with 1NO/1NC Front Mounted Aux Contact, 2NO/2NC Trip Indicating Aux Contact, LSTB	\$ 466.00
ECP-300-2D10-## - UXC	630-S18XC10-2XC10-F11-T22-L	Series 630 Direct-On-Line Starter (DOL) 3P 18A Non-Reversing Contactor, Coil: 24VAC 60Hz/50Hz, 1NO Aux Contact, 0.63 ~ 1.0A MPCB with 1NO/1NC Front Mounted Aux Contact, 2NO/2NC Trip Indicating Aux Contact, LSTB	\$ 469.00
ECP-300-2D16-## - UXC	630-S18XC10-2D16-F11-T22-L	Series 630 Direct-On-Line Starter (DOL) 3P 18A Non-Reversing Contactor, Coil: 24VAC 60Hz/50Hz, 1NO Aux Contact, 1.0 ~ 1.6A MPCB with 1NO/1NC Front Mounted Aux Contact, 2NO/2NC Trip Indicating Aux Contact, LSTB	\$ 469.00
ECP-300-2D25-## - UXC	630-S18XC10-2D25-F11-T22-L	Series 630 Direct-On-Line Starter (DOL) 3P 18A Non-Reversing Contactor, Coil: 24VAC 60Hz/50Hz, 1NO Aux Contact, 1.6 ~ 2.5A MPCB with 1NO/1NC Front Mounted Aux Contact, 2NO/2NC Trip Indicating Aux Contact, LSTB	\$ 469.00
ECP-300-2D40-## - UXC	630-S18XC10-2D40-F11-T22-L	Series 630 Direct-On-Line Starter (DOL) 3P 18A Non-Reversing Contactor, Coil: 24VAC 60Hz/50Hz, 1NO Aux Contact, 2.5 ~ 4.0A MPCB with 1NO/1NC Front Mounted Aux Contact, 2NO/2NC Trip Indicating Aux Contact, LSTB	\$ 469.00
ECP-300-2D63-## - UXC	630-S18XC10-2D63-F11-T22-L	Series 630 Direct-On-Line Starter (DOL) 3P 18A Non-Reversing Contactor, Coil: 24VAC 60Hz/50Hz, 1NO Aux Contact, 4.0 ~ 6.3A MPCB with 1NO/1NC Front Mounted Aux Contact, 2NO/2NC Trip Indicating Aux Contact, LSTB	\$ 478.00
ECP-300-2U10-## - UXC	630-S18XC10-2U10-F11-T22-L	Series 630 Direct-On-Line Starter (DOL) 3P 18A Non-Reversing Contactor, Coil: 24VAC 60Hz/50Hz, 1NO Aux Contact, 6.3 ~ 10A MPCB with 1NO/1NC Front Mounted Aux Contact, 2NO/2NC Trip Indicating Aux Contact, LSTB	\$ 484.00
ECP-300-2U16-## - UXC	630-S18XC10-2U16-F11-T22-L	Series 630 Direct-On-Line Starter (DOL) 3P 18A Non-Reversing Contactor, Coil: 24VAC 60Hz/50Hz, 1NO Aux Contact, 10 ~ 16A MPCB with 1NO/1NC Front Mounted Aux Contact, 2NO/2NC Trip Indicating Aux Contact, LSTB	\$ 500.00
ECP-300-2U20-## - UXC	630-S25XC10-2U20-F11-T22-L	Series 630 Direct-On-Line Starter (DOL) 3P 25A Non-Reversing Contactor, Coil: 24VAC 60Hz/50Hz, 1NO Aux Contact, 16 ~ 20A MPCB with 1NO/1NC Front Mounted Aux Contact, 2NO/2NC Trip Indicating Aux Contact, LSTB	\$ 527.00
ECP-300-2U25-## - UXC	630-S32XC10-2U25-F11-T22-L	Series 630 Direct-On-Line Starter (DOL) 3P 32A Non-Reversing Contactor, Coil: 24VAC 60Hz/50Hz, 1NO Aux Contact, 20 ~ 25A MPCB with 1NO/1NC Front Mounted Aux Contact, 2NO/2NC Trip Indicating Aux Contact, LSTB	\$ 556.00
ECP-300-2U32-## - UXC	630-S32XC10-2U32-F11-T22-L	Series 630 Direct-On-Line Starter (DOL) 3P 32A Non-Reversing Contactor, Coil: 24VAC 60Hz/50Hz, 1NO Aux Contact, 25 ~ 32A MPCB with 1NO/1NC Front Mounted Aux Contact, 2NO/2NC Trip Indicating Aux Contact, LSTB	\$ 556.00

ELECTRICAL SPECIFICATIONS															
		2C16	2C25	2C40	2C63	2D10	2D16	2D25	2D40	2D63	2U10	2U16	2U20	2U25	2U32
ELECTRICAL GENERAL		For detailed contactor specifications by starter rating code, see Section 4 Page 13													
		For detailed motor protection circuit breaker specifications by catalog number, see Section 9 Page 13													
	UNITS														
Rated Operating Current	A	0.16	0.25	0.40	0.63	1.0	1.6	2.5	4.0	6.3	10	16	20	25	32
Current Setting Range	A	0.10 ~ 0.16	0.16 ~ 0.25	0.25 ~ 0.40	0.40 ~ 0.63	0.63 ~ 1.0	1.0 ~ 1.6	1.6 ~ 2.5	2.5 ~ 4.0	4.0 ~ 6.3	6.3 ~ 10	10 ~ 16	16 ~ 20	20 ~ 25	25 ~ 32
Magnetic Trip Current	A	2.1	3.3	5.2	8.2	13	21	33	52	82	130	208	260	325	416
Operating Frequency	Hz	50/60													
Transformer Size	VA	50													
ELECTRICAL UL APPLICATIONS		For detailed contactor specifications by starter rating code, see Section 4 Page 13													
		For detailed motor protection circuit breaker specifications by catalog number, see Section 9 Page 13													
MAIN CIRCUITS															
Rated Operating Voltage, Ue	VAC	600													
Short Circuit Current Rating @ 480V AC	kA	10													
Short Circuit Current Rating @ 600V AC	kA	10													
Maximum Fuse or Circuit Breaker Size	A	450													
RATED 1 PHASE OPERATING POWER, Pe															
115V	HP	—	—	—	—	—	—	—	1/8	1/4	1/2	1	1-1/2	2	—
230V	HP	—	—	—	—	—	1/10	1/6	1/3	3/4	1-1/2	3	3	3	5
RATED 3 PHASE OPERATING POWER, Pe															
200V	HP	—	—	—	—	—	1/4	1/2	3/4	1-1/2	3	5	5	7-1/2	10
230V	HP	—	—	—	—	—	1/3	1/2	1	1-1/2	3	5	7-1/2	7-1/2	10
460V	HP	—	—	—	—	1/2	3/4	1-1/2	2	3	7-1/2	10	15	15	20
575V	HP	—	—	—	1/4	1/2	1	1-1/2	3	5	10	15	20	20	25
COIL CHARACTERISTICS		For detailed contactor specifications by starter rating code, see Section 4 Page 14													
Rated Insulation Voltage, Ui	V	1,000													
Operating Limits		80 ~ 110% of Rated Coil Voltage													
MECHANICAL		For detailed contactor specifications by starter rating code, see Section 4 Page 15													
		For detailed motor protection circuit breaker specifications by catalog number, see Section 9 Page 14													
ENVIRONMENTAL															
Ambient Operating Temperature	°C / °F	-20 to 55 / -4 to 131													
Ambient Storage Temperature	°C / °F	-50 to 80 / -58 to 176													
Altitude / ft.		2,000 / 6,562													
Shock	g	15													
Enclosure: Polycarbonate (Blank)		Type 1, 4/4X and IP66													
Enclosure: Carbon Steel (M1)		Type 1													
Enclosure: Carbon Steel (M4)		Type 3R, 4, & 12													

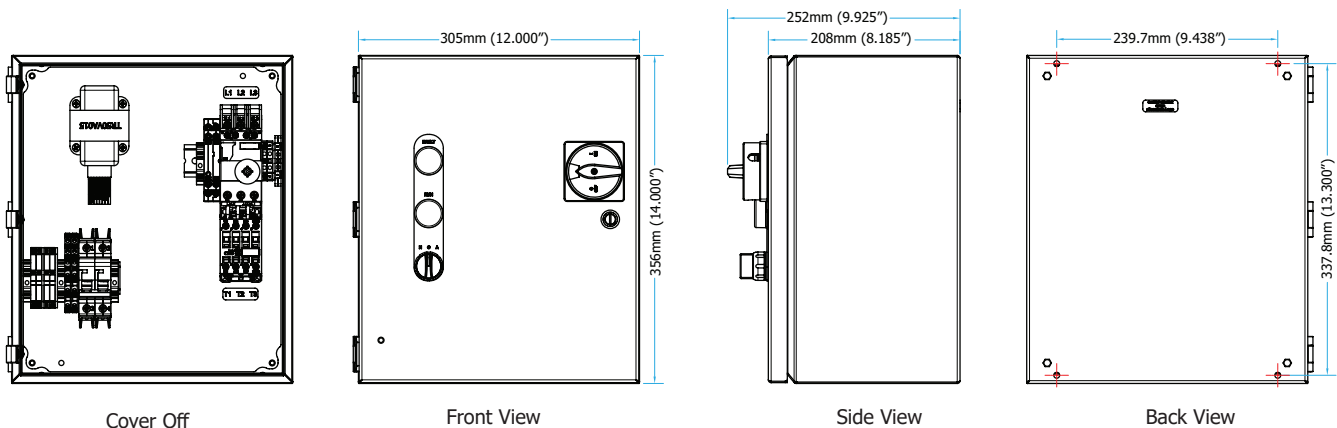
CONSTRUCTION SPECIFICATIONS															
		2C16	2C25	2C40	2C63	2D10	2D16	2D25	2D40	2D63	2U10	2U16	2U20	2U25	2U32
CONSTRUCTION		For detailed contactor specifications by starter rating code, see Section 4 Page 15													
		For detailed motor protection circuit breaker specifications by catalog number, see Section 9 Page 15													
	UNITS														
Number of Poles	ul	3													
Trip Class	ul	10													
Over Voltage Category	ul	III													
Pollution Degree	ul	3													
INGRESS PROTECTION															
Main Circuit Terminals		IP20													
Control Circuit Terminals		IP20													
MPCB CONDUCTOR SIZE															
UL/CSA	AWG	2 x 14 ~ 10													
Solid	mm ²	2 x 1 ~ 2.5													
Stranded	mm ²	2 x 1 ~ 2.5													
Fine Stranded	mm ²	2 x 1 ~ 2.5													
MPCB TERMINAL TORQUE															
	Nm	2 ~ 2.5													
	Lb-in.	17.7 ~ 22.1													

NOTE: For circuit diagrams, wiring schematics and to download installation instructions visit c3controls.com.

ENCLOSED STARTER ASSEMBLIES WITH POLYCARBONATE ENCLOSURE



ENCLOSED STARTER ASSEMBLIES WITH CARBON STEEL ENCLOSURE



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