

Explosionproof Combination Motor Starters *Enclosure Only*

STANDARD FEATURES

- 11 standard configurations available for NEMA sizes 0 through 5 •
- Corrosion resistant, copper free aluminum
- Hinged cover
- Internal mounting panel
- NEMA 4 watertight Nitrile gasket
- Premium, high strength stainless steel cover bolts
- Mechanical reset button
- Circuit breaker handle (combo starters only)
- Standard drilled and tapped entries
- Cast-on mounting lugs / feet
- Tumblast, natural aluminum finish

DESIGN OPTIONS

- Custom conduit (NPT & metric) and device (NPSM) drilling & tapping •
- Push buttons, pilot lights, and selector switches
- Auxiliary devices such as breather / drains and flame arrestors
- Custom machining - milling, counter-boring, spot-facing, blind drilled entries, chamfers
- Custom cast-on logos
- Powder and epoxy coatings for additional corrosion resistance
- Special mounting provisions
- Panel wiring

MATERIAL

- Enclosure - copper free aluminum (3/10 of 1%)
- Cover bolts - stainless steel 316L
- Hinge kits - copper free aluminum with stainless steel 316L hardware



CERTIFICATIONS

Class I, Div. 1, Gas Groups B, C, D
Class II, Div. 2, Gas Groups EFG
Class III
NEMA Type 4, 7, 9

UL 1203
CSA C22.2 No. 30
UL 1604
UL 50



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Motor Starters

**EXPLOSIONPROOF MOTOR
CONTROL**

Explosionproof Combination Motor starters

(Enclosure only - does not include breaker or starter)

*COMBINATION FULL VOLTAGE NON-REVERSING STARTERS

Max Starter NEMA SIZE	STD. BREAKER FRAME SIZE	ENCLOSURE
0 & 1	100	XCBSAQ-N4
2	100	XCBSBQ-N4
3	100	XCBSLQ-N4
4	225/250	XCBSMQ-N4
5	400	XCBSN-N4

*COMBINATION FULL VOLTAGE FULL REVERSING STARTERS

Max Starter NEMA SIZE	STD. BREAKER FRAME SIZE	ENCLOSURE
0 & 1	100	XCMRSG-N4
2	100	XCMRSK-N4
3	100	XCMRSP-N4

*ACROSS THE LINE FULL VOLTAGE NON-REVERSING STARTERS

MAX STARTER NEMA SIZE	ENCLOSURE
0 & 1	XMSB-N4
2	XMSD-N4
3 & 4	XMSH-N4
5	XMSQ-N4

*ACROSS THE LINE FULL VOLTAGE REVERSING STARTERS

MAX STARTER NEMA SIZE	ENCLOSURE
0 & 1	XMRSC-N4
2	XMRSF-N4
3 & 4	XMRSO -N4



Options, Dimensions and ordering instructions

OPTIONS AND ACCESSORIES

DESCRIPTION	SUFFIX	COMBINATION STARTER	AVAILABLE ON NON-COMB STARTER	UNIVERSAL ENCLOSURE ONLY
Start/Stop Dual Pushbutton (1NO Start, 1NC Stop)	A	•	•	•
Green Start Pushbutton (1NO)	A1	•	•	•
Red Stop Pushbutton (1NC)	A2	•	•	•
Red Stop Pushbutton, Mushroom Head (1NC)	A3	•	•	•
Black Pushbutton (1NO, 1NC)	A4	•	•	•
Auxiliary Switch on Breaker (1A and 1B Contacts)	AS1	•		
Auxiliary Switch on Breaker (2A and 2B Contacts)	AS2	•		
Hand-Off-Auto Selector Switch	B	•	•	•
Selector Switch (2-Position) (1NO, 1NC)	B1	•		•
Bell Alarm Switch on Breaker (Specify No. of Contacts)	BA	•	•	
Pilot Light 120 Volt AC (*See Color Table)	C1*	•	•	•
Pilot Light with Guard 120 Volt AC (*See Color Table)	CG1*	•		•
Push-to-Test Light 120 Volt AC (1NO, 1NC) (*See Color Table)	CP1*†	•	•	•
Breather/Drain - installed in bottom	E\$	•		•
Breather and Drain installed	EE\$	•	•	•
Auxiliary Contacts on Starter (+NO, -NC) (Specify No. of Contacts)	G (+ -)	•		
Time Delay Relay-On Delay (Specify Range)	H1	•	•	
Time Delay Relay-Off Delay (Specify Range)	H2	•		
8-Point Terminal Strip	K	•	•	
Epoxy Coating External Only (Specify Color)	L1	•		•
Epoxy Coating External and Internal (Specify Color)	L2	•	•	•
Lamacoid Nameplate (Specify Legend)	NP	•	•	•
Overload Heaters (Specify Full Load Amps)	OL	•	•	
Control Relay (Description Required)	R	•	•	
Space Heater (Specify Wattage)	S	•	•	
Shunt Trip on Breaker (Specify Voltage)	ST	•		
50 VA Control Transformer 480V Pri, 120V Sec. W/Fuse Block	T1F	•	•	
100 VA Control Transformer 480V Pri, 120V Sec. W/Fuse Block	T2F	•	•	
150 VA Control Transformer 480V Pri, 120V Sec. W/Fuse Block	T3F	•	•	
200 VA Control Transformer 480V Pri, 120V Sec. W/Fuse Block	T4F	•	•	
250 VA Control Transformer 480V Pri, 120V Sec. W/Fuse Block	T5F	•	•	
300 VA Control Transformer 480V Pri, 120V Sec. W/Fuse Block	T6F	•	•	
Other Control Transformer (Specify VA, Pri. And Sec.)	T7	•	•	
Undervoltage Release on Breaker (Specify Voltage Rating)	UV	•		
Internal Control Wiring	W	•	•	
Other (Specify)	Z	•	•	•

* COLOR TABLE

R - Red
G - Green
A - Amber
B - Blue
C - Clear
W - White

† Not available in Group B applications.
\$ for Group B applications add 'H' to suffix

ORDERING INSTRUCTIONS

To order any motor control product, use the catalog number followed by the suffix numbers separated by dashes.

example: XCBSAQ-N4-4130-A-C1R

Combination starter with 480 volt, 30 amp thermal magnetic breaker, NEMA size 1 starter with 120 volt AC coil, start/stop dual pushbutton installed in cover, red 120 volt pilot light installed in cover.



ORDER ONLINE! WWW.EXCO.COM

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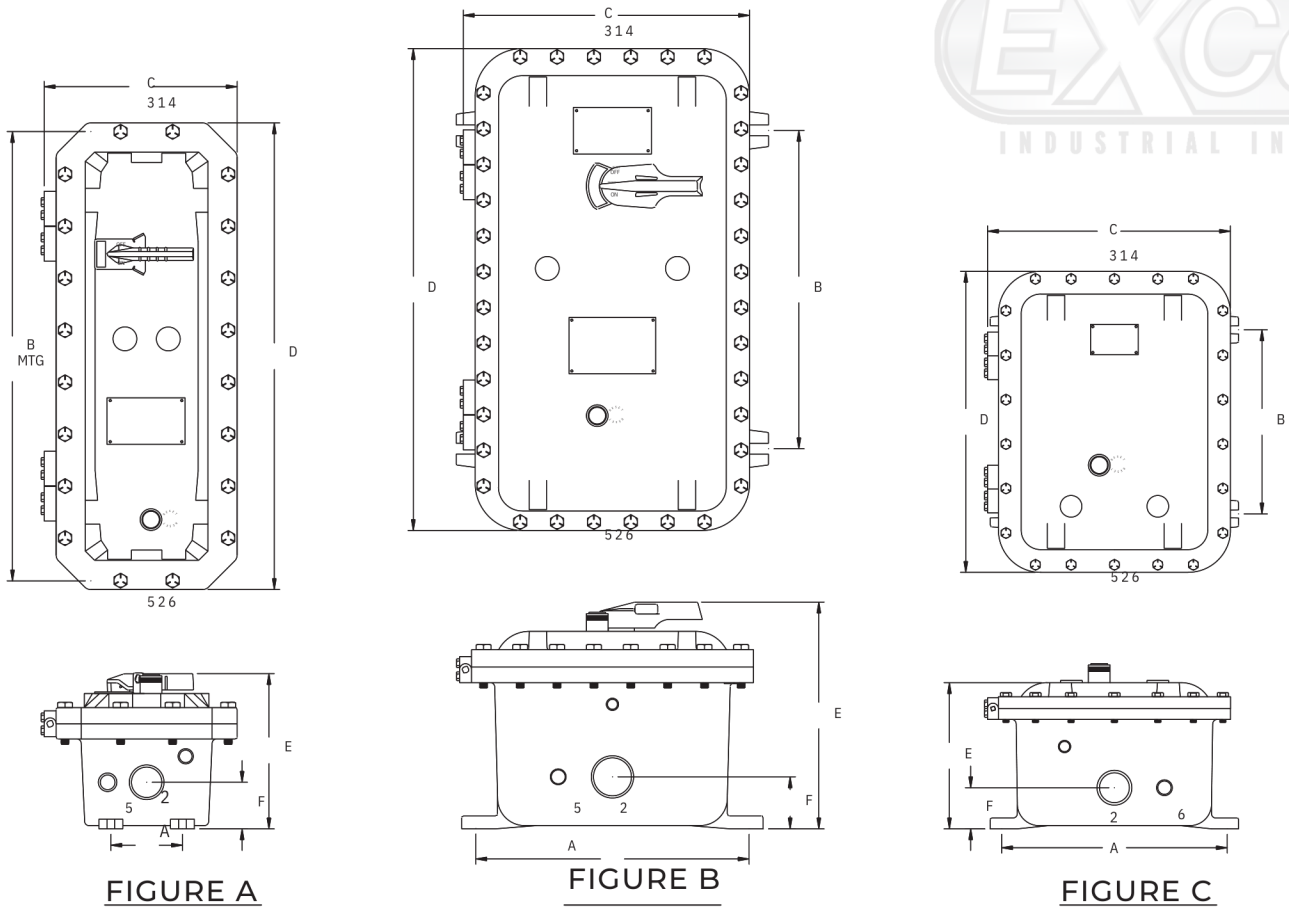


FIGURE A

FIGURE B

FIGURE C

NOMINAL DIMENSIONS

Nominal Inside Dimensions					Nominal Dimensions in Inches								Ship Weight (lbs.)	Conduit Size
Enclosure #	Fig #	W	L	D	A	B	C	D	E	F	G			
Enclosure														
*XCBSAQ-N4	A	6	23	5	4 -1/8	25-1/2	11- 1/8	26-15/16	9-11/16	2-1/2	3 & 5	61	1-1/2	
*XCBSBQ-N4	A	7	27	6	4 -3/4	29-7/8	11 -13/16	31-1/8	10-1/2	2-13/16	3 & 5	87	1-1/2	
XCBSLQ-N4	B	12	24	8	15 -3/4	18-3/8	16- 15/16	28-1/4	12-15/16	3	3 & 5	160	2	
XCBSMQ-N4	B	12	36	8	15 -3/4	29	16 -15/16	40-1/4	13-3/8	3-5/8	3 & 5	260	2-1/2	
XCBSN-N4	B	16	46	10	19 -3/4	39	21 -3/4	50-7/8	16-7/16	4-7/8	3 & 5	420	4	
XCMRSG-N4	B	12	18	8	15 -3/4	14-1/8	17	22-1/4	12-5/8	2-13/16	3 & 6	100	1-1/4	
XCMRSK-N4	B	12	24	6	15 -3/4	18-3/8	17	28-1/4	10-15/16	3-5/16	3 & 5	130	2	
XCMRSP-N4	B	18	36	8	21 -3/4	29	23- 3/4	40-7/8	14-3/4	4-1/8	3 & 5	395	2	
XMSB	C	8	10	6	10 -3/4	6-1/2	12	13-3/8	8-1/4	2-3/8	3 & 6	36	1	
XMSD	C	10	14	6	13	10-5/8	14	17-3/8	8-3/8	2-3/4	3 & 6	55	1-1/2	
XMSH	C	12	18	08	15 -3/4	14-1/8	17	22-1/4	10-3/4	3-1/2	3 & 6	105	2-1/2	
XMSQ	C	18	36	10	21 -3/4	29	23- 3/4	40-7/8	14-7/8	4-5/16	3 & 6	380	3	
*XMRSK	C	10	14	6	10 -5/8	13	18	13-3/8	8-3/8	2-1/4	3 & 5	55	1	
*XMRSF	C	12	12	6	8 -5/8	15-3/4	17	16-1/4	8-15/16	3	3 & 6	85	1-1/2	
*XMRSO	C	18	18	8	13	21-3/4	23-3/4	22 -7/16	12-7/16	3-7/8	3 & 6	190	2-1/2	

NOTE: Standard conduit openings at locations 1 and 2, control circuit opening 3/4" NPT at locations shown in column "G". Each housing has one 1/2" NPT top & bottom for breather and drain