

CIRCUIT BREAKER

XCB: Explosionproof Circuit Breaker Enclosures/Assemblies

Explosionproof Disconnect Enclosures/Assemblies

FEATURES

- Circuit breakers are thermal magnetic type and are rated from 15A to 800A
- Disconnects are fused or non-fused and are rated 30A, 60A, 100A, & 200A
- Through the door, spring loaded circuit breaker operating handle
- Pre-drilled for hinges (hinges optional)
- Pre-drilled for sub-panel (sub-panel optional)
- One-piece, NEMA 4 water-tight gasket
- Premium, high-strength stainless steel captive cover bolts
- Internal grounding provisions
- Cast-on mounting feet
- Padlockable handle
- Tumblast surface preparation for uniform, natural, aluminum finish
- Standard drilled & tapped conduit configurations
- XCBC and larger are furnished with hinges

DESIGN OPTIONS

- Sub-Panels – Available in galvanized steel (XSM) or aluminum (XSA)
- Aluminum hinge kits (with stainless steel hardware)
- Non-removable hinges
- Customer specified drilling and tapping
- Installation of operators and auxiliary devices

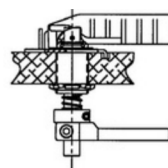
Custom machining—milling, counter-boring, spot-facing, blind-tapped holes, etc•

Installation and wiring of internal terminal blocks and control components

- UL Listed NNNY populated / wired control panels
- Cast-on company logos
- Multiple coating options for additional corrosion resistance
- Special mounting provisions
- Quad-lead cover bolts
- Breather/drain
- Auxiliary contacts
- External ground lug

MATERIAL

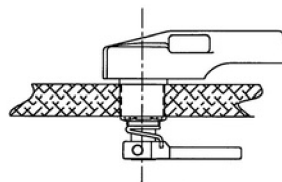
- Enclosures cast from proprietary 359 aluminum alloy
- Standard stainless steel cover bolts are 316L
- XSM panels are #12 gauge galvanized steel (.108" thick)
- XSA panels are #10 gauge aluminum (.100 thick)
- Hinge blocks are 359 aluminum, pins and hardware are 303 stainless steel



Standard XBO Style

"New", spring loaded, compact adjustable design, ease of assembly and less expensive. Standard 3/4 – 14 NPSM opening required for installation.

Optional XCBH 2-2 handle shown; standard handle is XBO.



Optional XCBH Style

"Classic", larger handle. Special 1" – 1 1/2" NPSM opening required for installation.

Certifications

Class I, Divisions 1 and 2, Groups B*, C, and D
 Class II, Divisions 1 and 2, Groups E, F, and G
 Class III
 NEMA Type 4X, 7, and 9

UL1203/CSA C22.2 No. 30
 UL50
 UL1604



*Group B available without N4 option, consult factory if gas Group B is required.

The Exco Engineering Department is Available to Assist you in the Selection of Enclosures and Accessories.

Explosionproof Circuit Breaker Enclosures

Breaker Frame Size	Volts	Amp Rating	Catalog No. 2 Pole Non-Interchangeable	Catalog No. 3 Pole Non-Interchangeable
100/150	480 Volt AC	15	XCBA-N4-15E42*	XCBA-N4-15E43*
		20	XCBA-N4-20E42*	XCBA-N4-20E43*
		30	XCBA-N4-30E42*	XCBA-N4-30E43*
		40	XCBA-N4-40E42*	XCBA-N4-40E43*
		50	XCBA-N4-50E42*	XCBA-N4-50E43*
		60	XCBA-N4-60E42*	XCBA-N4-60E43*
	250 Volt DC	70	XCBA-N4-70E42*	XCBA-N4-70E43*
		80	XCBB-N4-80E42*	XCBB-N4-80E43*
		90	XCBB-N4-90E42*	XCBB-N4-90E43*
		100	XCBB-N4-100E42*	XCBB-N4-100E43*
		110	XCBB-N4-110E42*	XCBB-N4-110E43*
		125	XCBB-N4-125E42*	XCBB-N4-125E43*
		150	XCBB-N4-150E42*	XCBB-N4-150E43*
100/150	600 Volt AC	15	XCBA-N4-15E62*	XCBA-N4-15E63*
		20	XCBA-N4-20E62*	XCBA-N4-20E63*
		30	XCBA-N4-30E62*	XCBA-N4-30E63*
		40	XCBA-N4-40E62*	XCBA-N4-40E63*
		50	XCBA-N4-50E62*	XCBA-N4-50E63*
		60	XCBA-N4-60E62*	XCBA-N4-60E63*
	250 Volt DC	70	XCBA-N4-70E62*	XCBA-N4-70E63*
		80	XCBB-N4-80E62*	XCBB-N4-80E63*
		90	XCBB-N4-90E62*	XCBB-N4-90E63*
		100	XCBB-N4-100E62*	XCBB-N4-100E63*
		110	XCBB-N4-110E62*	XCBB-N4-110E63*
		125	XCBB-N4-125E62*	XCBB-N4-125E63*
		150	XCBB-N4-150E62*	XCBB-N4-150E63*
225/250	600 Volt AC	70	XCBC-N4-70JN2*	XCBC-N4-70JN3*
		90	XCBC-N4-90JN2*	XCBC-N4-90JN3*
	250 Volt DC	100	XCBC-N4-100JN2*	XCBC-N4-100JN3*
		125	XCBC-N4-125JN2*	XCBC-N4-125JN3*
		150	XCBC-N4-150JN2*	XCBC-N4-150JN3*
		175	XCBC-N4-175JN2*	XCBC-N4-175JN3*
		200	XCBC-N4-200JN2*	XCBC-N4-200JN3*
		225	XCBC-N4-225JN2*	XCBC-N4-225JN3*
		250	XCBC-N4-250JN2*	XCBC-N4-250JN3*

ATEX or IECEx Certification Available-

Consult factory

***CUSTOMER MUST SPECIFY CIRCUIT BREAKER BRAND SUFFIX:**

W-Cutler-Hammer (Westinghouse) G-General Electric S-Square-D T-I.T.E. (Siemens)

CIRCUIT BREAKER

Explosionproof Circuit Breaker Enclosures

Breaker Frame Size	Volts	Amp Rating	Catalog No. 2 Pole Non-Interchangeable	Catalog No. 3 Pole Non-Interchangeable
400	600 Volt AC	100	XCBD-N4-100KN2*	XCBD-N4-100KN3*
		125	XCBD-N4-125KN2*	XCBD-N4-125KN3*
		150	XCBD-N4-150KN2*	XCBD-N4-150KN3*
		175	XCBD-N4-175KN2*	XCBD-N4-175KN3*
		200	XCBD-N4-200KN2*	XCBD-N4-200KN3*
	250 Volt DC	225	XCBD-N4-225KN2*	XCBD-N4-225KN3*
		250	XCBE-N4-250KN2*	XCBE-N4-250KN3*
		300	XCBE-N4-300KN2*	XCBE-N4-300KN3*
		350	XCBE-N4-350KN2*	XCBE-N4-350KN3*
		400	XCBE-N4-400KN2*	XCBE-N4-400KN3*
600	600 Volt AC	250	XCBE-N4-250LI2*	XCBE-N4-250LI3*
		300	XCBE-N4-300LI2*	XCBE-N4-300LI3*
		350	XCBE-N4-350LI2*	XCBE-N4-350LI3*
	250 Volt DC	400	XCBE-N4-400LI2*	XCBE-N4-400LI3*
		500	XCBF-N4-500LI2*	XCBF-N4-500LI3*
		600	XCBF-N4-600LI2*	XCBF-N4-600LI3*
800	600 Volt AC	400	XCBF-N4-400MI2*	XCBF-N4-400MI3*
		500	XCBF-N4-500MI2*	XCBF-N4-500MI3*
		600	XCBF-N4-600MI2*	XCBF-N4-600MI3*
	250 Volt AC	700	XCBF-N4-700MI2*	XCBF-N4-700MI3*
		800	XCBF-N4-800MI2*	XCBF-N4-800MI3*

ATEX Certification Available- Consult factory

For Interchangeable Trip substitute an "I" for "N" in the Catalog Number. (Example: XCBC-N4-70JI2)

NOTE *CUSTOMER MUST SPECIFY CIRCUIT BREAKER BRAND SUFFIX:

W-Cutler-Hammer (Westinghouse) G-General Electric S-Square-D T-I.T.E. (Siemens)



Explosionproof Disconnect Enclosures

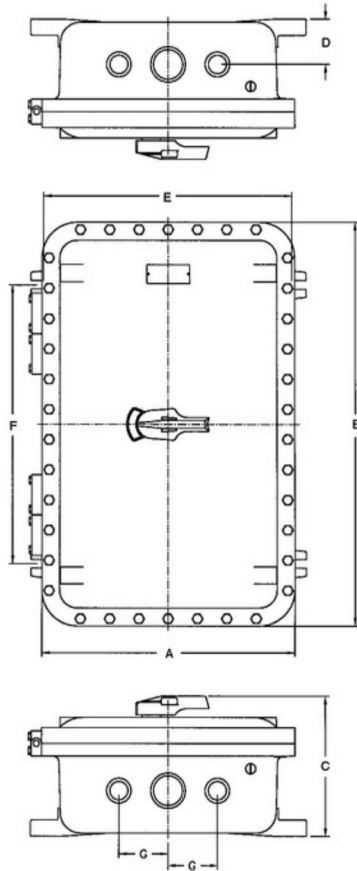
FUSIBLE DISCONNECT SWITCHES			
Horsepower Rating at 480 Volts	Horsepower Rating at 600 Volts	Amp Rating	Catalog No. 3 Pole
20	20	30	XCBA-N4-30DF3W
40	50	60	XCBA-N4-60DF3W
75	75	100	XCBB-N4-100DF3W
125	150	200	XCBK-N4-200DF3G

NON-FUSED DISCONNECT SWITCHES			
Horsepower Rating at 480 Volts	Horsepower Rating at 600 Volts	Amp Rating	Catalog No. 3 Pole
20	20	30	XCBA-N4-30DN3W
40	50	60	XCBA-N4-60DN3W
75	75	100	XCBB-N4-100DN3W
125	150	200	XCBK-N4-200DN3G

NOTE Mounting pans drilled for class "J" fuses, fuses not included.

The Exco Engineering Department is Available to Assist you in the Selection of Enclosures and Accessories.

Explosionproof Circuit Breaker Enclosures



CIRCUIT BREAKER ENCLOSURE ONLY

Breaker Frame Size	Trip Range	Enclosure
100	15-70	XCBA-N4
100/150	80-150	XCBB-N4
225/250	70-250	XCBC-N4
400	100-225	XCBD-N4
600	250-400	XCBE-N4
800	400-800	XCBF-N4
1200	800-1200	XCBG-N4

FUSIBLE DISCONNECT SWITCHES

Description	Suffix	Available On Circuit Breaker	Available On Disconnect Switch	Universal Enclosure Only
Auxiliary Switch 1A and 1B Contacts	AS1	.	.	
Auxiliary Switch 2A and 2B Contacts	AS2	.	.	
Bell Alarm (Specify No. of Contacts)	BA	.		
Breather/Drain - installed in bottom	E	.	.	.
Breather and Drain installed	EE	.	.	.
High Interrupting Capacity Breaker	HI	.		
Epoxy Coating (External), (Specify Color)	LI	.	.	.
Epoxy Coating (Internal and External), (Specify Color)	L2	.	.	.
Substitute MCP for Breaker	M	.		
Phenolic Nameplate (Specify Legend)	NP	.	.	.
Shunt Trip (Specify Voltage Rating)	ST	.		
Under voltage Release (Specify Voltage Rating)	UV	.		
Other / Special	Z	.	.	

EXPLOSIONPROOF
Motor Control

DATA DIMENSIONS

Catalog #	Inside Nom. Dimensions			Overall Dimensions			Mounting Lug CL to CL		Mtg. Bot Size	Conduit Dimension		Conduit # Holes Top/Bot		Ship Weight (lbs.)
	W	L	D	A	B	C	E	F		D	G	Size		
XCBA-N4	6	11	5	9 -1/4	14 -1/4	9	9 -1/8	7 -1/2	7/16	2 -1/2	-	1 -1/4	1	28
XCBB-N4	6	13	5	9 -1/4	16 -1/4	9	9 -1/8	9 -1/2	3/8	2 -1/2	-	2	1	31
XCBC-N4	7	18	5	10 -3/8	21 -5/6	9	9 -3/4	14 -1/2	3/8	2 -3/4	-	2 -1/2	1	47
XCBD-N4	12	20	5	16 -1/4	24 -1/4	10	15 -3/4	14 -3/8	1/2	3 -1/4	-	2 -1/2	1	108
XCBE-N4	12	24	6	16 -1/4	28 -1/4	11	15 -3/4	18 -3/8	1/2	3 -5/8	2 7/8	3	2	131
XCBF-N4	12	36	8	16 -1/4	40 -1/4	13 -1/2	15 -3/4	29	5/8	4 -1/2	3 3/8	4	2	237

ATEX Certification Available- Consult factory

NOTE All enclosures have 1/2" NPT top and bottom for breather drain.