

Non-EUSERC Combination Service Entrance Devices



Standard Design Non-EUSERC Panel

Compact Design

Non-EUSERC Combination Service Entrance Devices

Product Description

A device that may include a meter socket, main breaker and loadcenter section within the same enclosure.

- Meter main = meter socket and main breaker
- Meter breaker = meter socket, main breaker and loadcenter section

Application Description

Eaton's line of non-EUSERC meter breakers are designed for customers served by utilities that are not members of EUSERC.

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Features, Benefits and Functions

Meter Mains and All-in-Ones

- Single-phase, three-wire, 120/240 Vac, 10 kAIC
- Larger lay-in lugs and 3-inch (76.2 mm) knockouts for ease of installation
- Box-type main lugs included
- Factory-installed neutral
- Hub provisions on top endwall. If hubs are required, order "DS" style
- Ring, ringless and ringless with horn bypass styles available
- Ringless style, provided with embossed covers and security latch for utility company lock
- Padlockable device covers provide additional measure of safety and help prevent tampering
- NEMA 3R rainproof construction

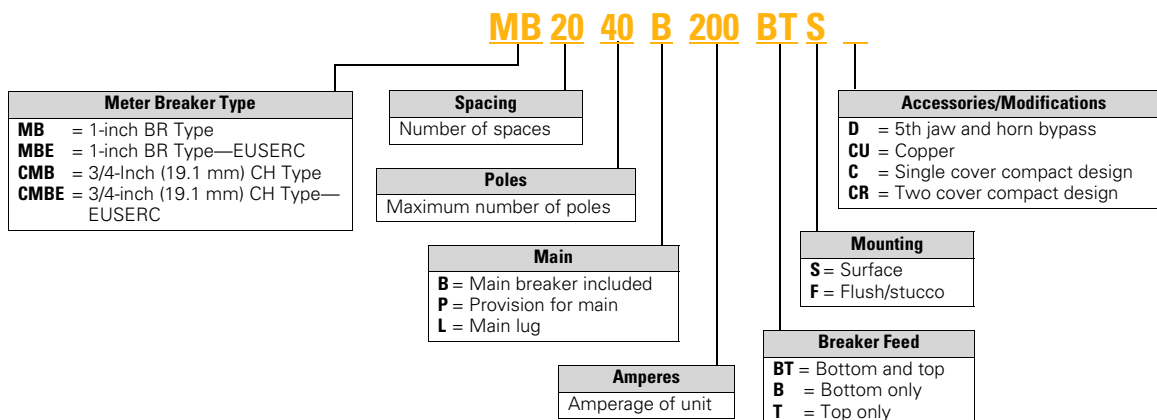
Meter Mains

- Meter socket and main breaker
- Stainless steel latches on meter compartments in MBP types
- No distribution section included

All-in-Ones

- Meter socket and loadcenter distribution section
- Stainless steel latches on meter compartments
- Several designs with horn bypass and fifth jaw
- Center-fed main breaker, lugs or provision
- Uses Type BR 1-inch (25.4 mm) wide branch breakers
- Special channel for top exit

Catalog Number Selection



Product Selection

Main Breaker Selection Chart

Maximum Ampere Rating	Two-Pole Breaker Catalog Numbers			
	10 kAIC	25 kAIC	25 kAIC	35 kAIC
100	BW2100	CSR2100	CSR2100N	CSH2100N
125	BW2125	CSR2125	CSR2125N	CSH2125N
150	BW2150	CSR2150	CSR2150N	CSH2150N
200	BW2200	CSR2200	CSR2200N	CSH2200N
Load Side Lug Kit for BW and CSR Breakers			MCBK225	

Note: See knockout drawings on **Pages V1-T4-61 through V1-T4-67** for hub information.

Ring Style All-in-Ones



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Combination Service Entrance Devices—Non-EUSERC, continued

Ringless All-in-Ones



Ampere Rating	Bypass	Service	kAIC	Jaws	Distribution	Main	Branch Breaker Type	Dimensions and Enclosure Shape ^①	Page Numbers Knockout ^①	Catalog Number
Ring Style All-in-Ones (includes distribution section)										
125	None	OH/UG	②	4	2/4	None—refer to Distribution CSR2150	CH	2	V1-T4-62	CMB24L125BTS ^{④⑤}
150	None	OH/UG	22	4	8		CH	3	V1-T4-62	CMB88B150BTS ^{④⑤}
200	None	OH/UG	10	4	4/8	CSR2200	BR	3	V1-T4-62	MB48B200BTS ^{⑤⑥}
200	None	OH/UG	22	4	8	CSR2200	CH	3	V1-T4-62	CMB88B200BTS ^{④⑤⑥}
200	None	UG	22	4	32/42	CSR2200	CH	7	V1-T4-61	CMB3242B200BS ^{④⑤}
200	None	OH/UG	22	—	42/42	—	CH	—	—	CMB4242B200BTS ^④
Ringless All-in-Ones (includes distribution section)										
125	None	OH/UG	22	4	4/8	CSR2125	BR	21	V1-T4-64	MBT48B125BTS
150	None	OH/UG	22	4	4/8	CSR2150	BR	21	V1-T4-64	MBT48B150BTS
150	Horn	OH/UG	10	5	8/16	BW2150	BR	11	—	MB816B150STD
150	Horn	OH/UG	10	5	20/40	BW2150	BR	11	V1-T4-66	MB2040B150SD
200	None	OH/UG	10	4	8/16	CSR2200	BR	10	V1-T4-66	MB816B200BTS ^{⑤⑥}
200	None	OH/UG	10	4	8/16	CSR2200	BR	10	V1-T4-66	MB816B200BTSU ^{④⑤⑥}
200	Horn	OH/UG	10	5	8/16	BW2200	BR	11	—	MB816B200STD
200	None	OH/UG	②	4	8/16	Provision ^③	BR	10	V1-T4-66	MB816P200BTS ^{⑤⑥}
200	None	OH/UG	②	4	8/16	Provision ^③	BR	10	V1-T4-66	MB816P200BTSU ^{④⑤⑥}
200	Horn	OH/UG	②	5	8/16	Provision ^③	BR	11	V1-T4-66	MB816P200STD ^⑥
200	Horn	OH/UG	②	5	8/16	Provision ^③	BR	10	V1-T4-66	MB816P200STD ^⑥
200	None	OH/UG	10	4	12/12	CSR2200	CH	10	V1-T4-62	CMB1212B200BTS ^{④⑤⑥}
200	None	OH/UG	②	4	6–2 Pole	Main lugs	CH	9	V1-T4-63	CMB1212L200BTS ^{④⑥}
200	None	OH/UG	②	4	12/12	Provision ^③	CH	10	V1-T4-63	CMB1212P200BTS ^{④⑤⑥}
200	None	OH/UG	②	4	6–2 Pole	Main lugs	BR	9	V1-T4-63	MB1212L200BTS ^⑥
200	None	OH/UG	22	4	24/24	CSR2200	CH	10	V1-T4-66	CMB2424B200BTS ^{④⑤}
200	None	OH/UG	22	4	24/36	CSR2200	CH	10	V1-T4-66	CMB2436B200BTS ^④
200	None	OH/UG	10	4	20/40	CSR2200	BR	10	V1-T4-66	MB2040B200BTS
200	None	OH/UG	②	4	20/40	Provision ^③	BR	10	V1-T4-66	MB2040P200BTS ^⑤
200	Horn	OH/UG	②	5	20/40	Provision ^③	BR	11	V1-T4-66	MB2040P200SD
200	Horn	OH/UG	10	5	20/40	CSR2200	BR	10	V1-T4-66	MB2040B200SD
200	Lever	OH/UG	10	5	None	CSR2200	None	14	V1-T4-65	CMBXB200BTS ^{④⑦}
200	Lever	OH/UG	10	5	12/12	CSR2200	CH	14	V1-T4-65	CMBX1212B200BTS ^{④⑥⑦}
200	Lever	OH/UG	10	5	32/42	CSR2200	CH	14	V1-T4-65	CMBX3242B200BTS ^{④⑦}
200	Lever	OH/UG	10	5	None	Provision	None	14	V1-T4-65	CMBXP200BTS ^{④⑦}
200	Lever	OH/UG	10	5	12/12	Provision	CH	14	V1-T4-65	CMBX1212P200BTS ^{④⑥⑦}
200	Lever	OH/UG	10	5	32/42	Provision	CH	14	V1-T4-65	CMBX3242P200BTS ^{④⑦}
200	None	OH/UG	②	4	4/8	Provision	BR	21	V1-T4-65	MBT48P200BTS ^⑥
200	None	OH/UG	22	4	4/8	CSR2200	BR	21	V1-T4-65	MBT48B200BTS ^⑥

Notes

① See **Page V1-T4-61** for box details.

② Per installed main breaker rating.

③ When a provision for main is provided, order one of the main breakers listed on **Page V1-T4-38**.
All panels are dual labeled to accept Types BW, CSR, CSH Main Breakers.

④ Copper bus.

⑤ One-piece cover on utility side, Florida approved.

⑥ Units come with feed-through lugs.

⑦ Approved by Xcel Energy Inc.

Mechanical Interlock Cover

Covers mechanically interlock two breakers. Covers interlock main breaker with two-pole breaker mounted in the distribution section of the meter breakers.

Meter Breaker with Interlock Cover



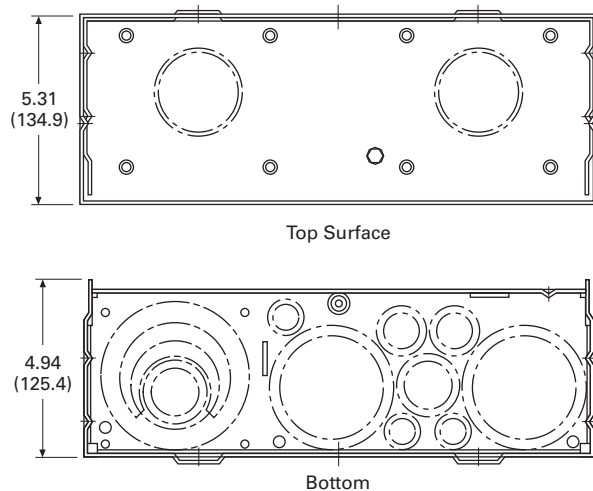
Mechanical Interlock Cover

Mechanical Interlock Deadfront	Meter Breaker Catalog Number
MBDF1M	CMB1212B200BTS
	CMB1212B200BTSD
	CMB1212P200BTS
	CMB1212P200BTSD
MBDF2M	MB816B200BTS
	MB816B200BTSCU
	MB816P200BTS
	MB816P200BTSCU
	MB816P200STD
MBDF3M	MB2040B200BTS
	MB2040P200BTS
	MB2040P200SD
MBDF4M	MBE816P200TS
	MBE816P200TSCU
MBDF5M	MBE2040B150BF
	MBE2040B150BS
	MBE2040B200BF
	MBE2040B200BS
MBDF6M	MBE2040B200TF
	MBE2040B200TS
	MBE2040P200TF
	MBE2040P200TS
MBDF7M	CMBE3242B150BF
	CMBE3242B150BS
	CMBE3242B200BF
	CMBE3242B200BS
	CMB3242B150BS
MBDF8M	CMB3242B200BS
	CMBE4242B200BSH
	CMBE4242B200BTF
MBDF9M	CMBE4242B200BTS
	MBE4040B200BSH
	MBE4040B200BSHH
	MBE4040B200BTF
	MBE4040B200BTS

Mechanical Interlock Deadfront	Meter Breaker Catalog Number
MBDF1AM	CMB2424B200BTS
MBDF10M	CMB24B200TFR
	CMB24B200TSR
MBDF12M	CMBX3242B200BTS
	CMBX3242P200BTS
MBDF13M	MBE3042B200BF
	MBE3042B225BF
MBDF14M	CMBE88B150BTF
	CMBE88B150BTS
	CMBE88B200BTF
	CMBE88B200BTS
	CMB88B150BTS
MBDF15M	CMB88B200BTS
	MBE48B150BTF
	MBE48B150BTS
	MBE48B200BTF
MBDF16M	MBE48B200BTS
	MBE88B150BTF
	MBE88B150BTS
	MBE88B200BTF
MBDF17M	MBE88B200BTS
	MBE2040BC200BTS
	MBE2040BH200BTF
	MBE2040BH200BTS
	MBE2040B150BTF
	MBE2040B150BTS
	MBE2040B200BTF
	MBE2040B200BTS
	MBE2040B200BTSV
	MBE2040B225BTF
	MBE2040B225BTS

Approximate Dimensions in Inches (mm)

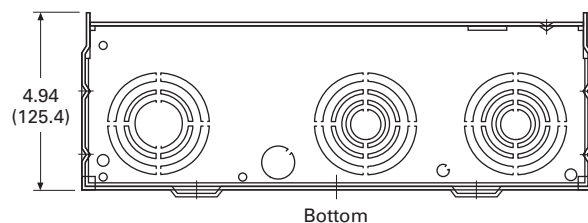
Knockouts for Non-EUSERC Units Catalog Numbers—
MBB150BTS, MBB200BTS, MBP200BTS, MB816P200BTS,
MB816P200BTSCU, MB816P200BTSD, MB816B200BTS,
MB816B200BTSCU, MB2040P200BTS, MB2040B200BTS,
MBP200BTSD, MBP200SD, MB816P200STD,
MB2040B150SD, MB2040B200SD and MB2040P200SD



Top Endwall (Surface)

Hub Provision Catalog Number	Quantity
DS100H2	①
DS125H2	①
DS150H2	①
DS200H2	①
DS250H2	①
DS300H2	①
DS900AP (Adapter Plate) ②	①

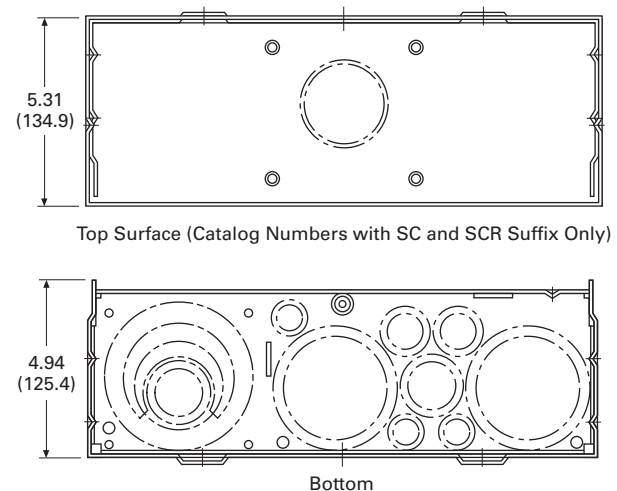
Knockouts for Non-EUSERC Units Catalog Number—
CHMMB100BTS



Bottom Endwall

Knockout Size Dimensions in Inches (mm)	Quantity
0.31 (7.9)	1
0.50 (12.7)	1
0.50, 0.75, 1.00, 1.25, 1.50, 2.00, 2.50 (12.7, 19.1, 25.4, 31.8, 38.1, 50.8, 63.5)	2
1.00, 1.25, 1.50, 2.00, 2.50 (25.4, 31.8, 38.1, 50.8, 63.5)	1

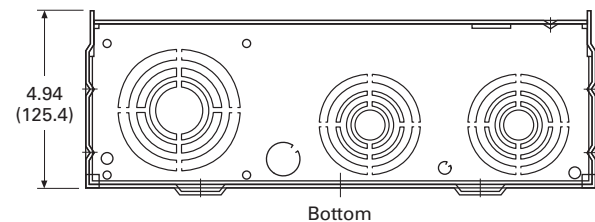
Knockouts for Non-EUSERC Units Catalog Numbers—
CMB2424B200BTS, MBB150BTSCR, MBB200BTSCR,
MBB150BTSC, MBB200BTSC and CMB2436B200BTS



Bottom Endwall

Knockout Size Dimensions in Inches (mm)	Quantity
0.31 (7.9)	3
0.50 (12.7)	3
0.50, 0.75 (12.7, 19.1)	2
0.75, 1.00 (12.7, 25.4)	1
1.25, 1.50, 2.00, 2.50 (19.1, 38.1, 50.8, 63.5)	2
1.50, 2.00, 2.50, 3.00 (38.1, 50.8, 63.5, 76.2)	1

Knockouts for Non-EUSERC Units Catalog Numbers—
CHMMB150BTS and CHMMB200BTS



Bottom Endwall

Knockout Size Dimensions in Inches (mm)	Quantity
0.31 (7.9)	1
0.50 (12.7)	1
0.50, 0.75, 1.00, 1.25, 1.50, 2.00, 2.50 (12.7, 19.1, 25.4, 31.8, 38.1, 50.8, 63.5)	2
1.00, 1.25, 1.50, 2.00, 2.50, 3.00 (25.4, 31.8, 38.1, 50.8, 63.5, 76.2)	1

Notes

① For details regarding quantities, please contact the Technical Resource Center (TRC) at 1-877-ETN-CARE.

② Use when DS H1 Type 1, 1.25 and 1.50-inch hubs are needed.