



Cutler-Hammer

Meter Breakers

Technical Data

Residential Meter Breakers
Type CH Residential
Type BR Residential

Supersedes Technical Data TD.31F.01.T.E

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Residential Meter Breakers



Residential Meter Breakers

Product Description

A meter breaker is service entrance equipment that consists of a single meter socket and loadcenter (circuit breaker distribution section) or meter socket and main breaker combined in one enclosure. Sometimes called Combos, All-In-Ones, Meter Centers or Meter Mains these units are increasing in popularity as the socket and load-center or main breaker are located in one location, thus providing the contractor with a labor and material savings when installing.

Application Description

In addition to residential installations, meter breakers are equally applicable for rural service entrance, mobile homes, and construction site temporary power. Meter breakers are most often sold in the western, southwestern and southeastern United States. The popularity of meter breakers is continuing to increase as more utilities deregulate and pass the responsibility of supplying watt-hour meter sockets on to the electrical contractor.

Application Considerations

We have the meter breaker to meet your application. Cutler-Hammer offers:

- Non-EUSERC.
- EUSERC/West Coast (Electrical Utility Service Equipment Requirements Committee).
- House Panels.
- Commercial Safety Sockets.

Non-EUSERC

The Cutler-Hammer line of Non-EUSERC meter breakers is designed for customers served by utilities that are not members of EUSERC.

EUSERC/West Coast

The Cutler-Hammer line of EUSERC approved devices adheres to the agreed upon standards. EUSERC utilities are predominately located in the western United States, but some eastern and midwestern utilities are also members. **These units can also be used in many Non-EUSERC areas.**

House Panels

Meter breaker device rated at 300 – 400A. Applied in EUSERC and Non-EUSERC areas.

Commercial Safety Sockets

Applied in EUSERC and Non-EUSERC service areas and used in commercial applications.

Standards and Certifications

- UL Specification 414 (socket).
- UL File Number E52977.
- AEIC-EEI-NEMA Standards (MSJ-7).
- Meet EUSERC Utility requirements where noted.
- Documented Seismic Qualified — UBC and CBC Title 24.
- UL Specification 67 (panel).

Product Specifications

- Ratings single-phase, 3-wire, 120/240V AC.
- 100 – 225 ampere main breaker and main lug types.
- 10,000 amperes rms symmetrical short circuit rating.

Features, Benefits and Functions

- Both BR and CH type branch circuit breaker styles available.
- Meets latest NEC wire bending space requirements.
- Slotted sealing screws at hub with sealing provision provided.
- Surface units are supplied with mounting tabs.
- Semi-flush units are supplied with stucco flange.
- Meter socket ring landing will accept locking security rings.
- Overhead or underground service.
- Fifth jaw can be installed in the 3 o'clock or 9 o'clock position.
- Semi-flush with nail flange or surface mounting.
- Meter mounting and underground pull sections are utility sealable.
- Units are rated a minimum of 10 kAIC; some units are 22 kAIC.
- Numerous units supplied with center keyhole for ease of mounting.

Dimensions and Knockouts (Non-EUSERC Meter Breaker Design) — Dimensions in Inches (mm)

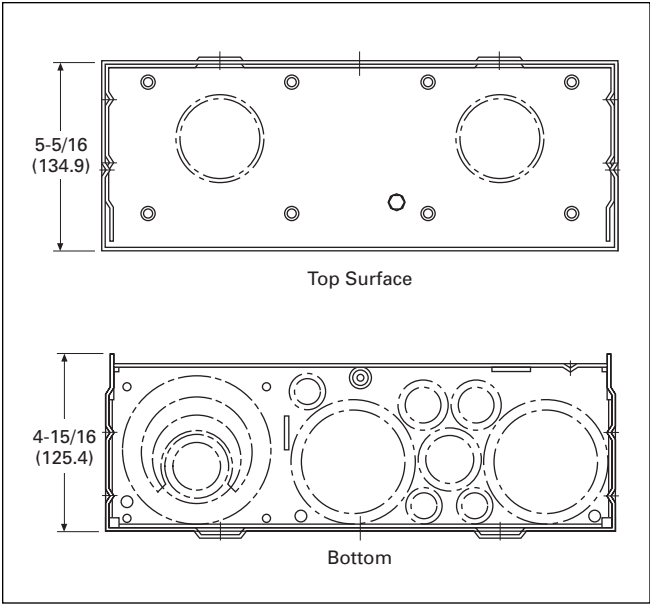


Figure 43. Knockouts for Non-EUSERC Units Catalog Numbers — MB2040P200BTSD, MBB200BTS, MBP200BTS, MB816P200BTS, MB816P200BTSCU, MB816B200BTS, MB816P200BTSD, MB816B200BTSCU, MB816B200BTSD, MB2040P200BTS, MB2040B200BTS, MBP200BTSD, MBP200SD, MB816P200STD, MB816P200BTSCUD and MB2040P200SD

Table 22. Top Endwall (Surface)

Hub Provision
DS100H2
DS125H2
DS150H2
DS200H2
DS250H2
DS300H2
DS900AP (Adapter Plate) ①

① Use when DS H1 Type 1, 1-1/4 and 1-1/2-inch hubs are needed.

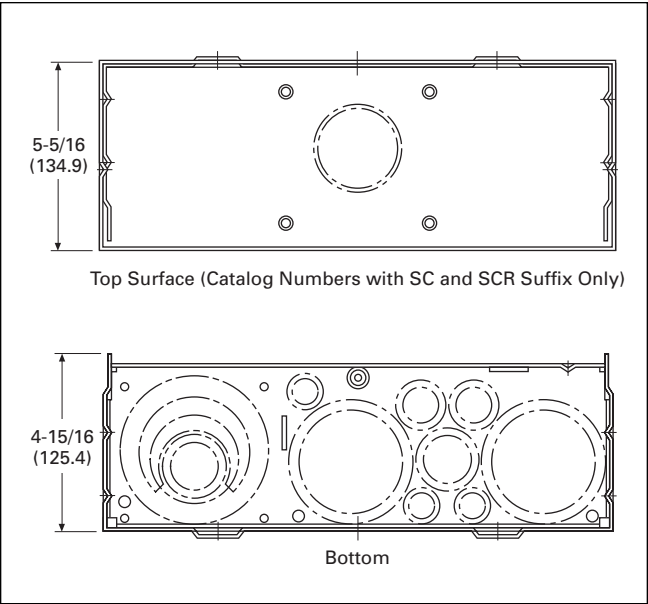


Figure 44. Knockouts for Non-EUSERC Units Catalog Numbers — CMB2424B200BTS, MBB150BTSCR, MBB200BTSCR, MBP200BTSCR, MBB150BTSC and MBB200BTSC

Table 23. Bottom Endwall

Knockout Size (Dimensions in Inches)	Quantity
5/16	3
1/2	3
1/2, 3/4	2
3/4, 1	1
1-1/4, 1-1/2, 2, 2-1/2	2
1-1/2, 2, 2-1/2, 3	1