

Section 2

Metering Equipment



Individual Meter Socket



MP Meter-Pak Metering Equipment



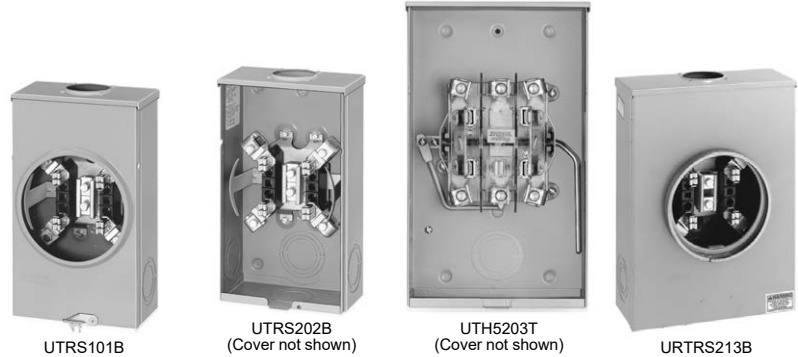
EZ Meter-Pak Metering Equipment

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Individual Meter Sockets

This metering is generally utility specific. Always check with local utility company before installing. Contact your nearest Field Sales Office for additional catalog numbers, if required by utility.

- Available single or three phase, 600 Vac max., with and without horn or lever bypass, overhead and underground service feed.
- 10 kA short circuit current rating (or higher with utility approval).
- UL Listed, NEMA 3R enclosure.
- Units supplied with bonded neutral.
- Units supplied with hub opening in top endwall require the use of a bolt-on hub, or closing plate.
- Units supplied with solid top are for underground feed only.
- For accessories, refer to [page 2-3](#).



2 METERING EQUIPMENT

Table 2.1: Individual Meter Sockets

| Ampere Rating [1] | Jaw Qty. | Service Type | Cat. No. [2] | Lug Wire Range (Al/Cu) | | | Enclosure Information | | | Box No. [3] |
|--|----------|--------------|-----------------|-------------------------------------|-----------------------|-----------------------|-----------------------|-------------------|-------------------|-------------|
| | | | | Line, Load, and Neutral (AWG/kcmil) | Wire Binding | Gnd. (AWG) | Material | Top Endwall Conf. | | |
| | | | | | | | | Hub Opening [4] | Closing Plate [4] | |
| Ringless Type, 1Ø3W 600 Vac Max., Without Bypass or Jaw Release | | | | | | | | | | |
| 125 | 4 | UG | UTZRS101A [5] | 8-2/0 | 1/2 in. Hex | 14-2 | Steel | Solid Top [5] | — | 1R |
| 125 | 4 | OH | UTRS101B | 8-2/0 | Slotted | 14-2 | Steel | Series A | ACP | 1R |
| 125 | 4 | OH | UATRS101B | 8-2/0 | Slotted | 14-2 | Aluminum | Series A | ACPA | 1R |
| 125 | 4 | OH | URS101BCPL | 8-2/0 | Slotted | 14-2 | Steel | Series A | ACP | 1R |
| 125 | 5 | OH/UG | 1003880A [6] | 8-2/0 | Slotted | 14-2 | Steel | Series A | ACP | 1R |
| 200 | 4 | OH | UTRS202B | 8-250 | 1/2 in. Hex | 14-2 | Steel | Series A | ACP | 3R |
| 200 | 4 | OH | UATRS202B | 8-250 | 1/2 in. Hex | 14-2 | Aluminum | Series A | ACPA | 3R |
| 200 | 4 | UG | UTRS213A [5] | 1/0-350 | 1/2 in. Hex | 14-2 | Steel | Solid Top [5] | — | 5R |
| 200 | 4 | OH/UG | UTRS213B [6] | 1/0-350 | 1/2 in. Hex | 14-2 | Steel | Series A | ACP | 5R |
| 200 | 4 | OH/UG | UATRS213B [6] | 1/0-350 | 1/2 in. Hex | 14-2 | Aluminum | Series A | ACPA | 5R |
| 200 | 4 | OH/UG | U92197CCCPL [7] | 1/0-350 | 1/2 in. Hex | 14-2 | Steel | (2) Series A | (2) ACP [7] | 7R |
| Ringless Type, 1Ø3W 600 Vac Max., With Horn Bypass, Without Jaw Release | | | | | | | | | | |
| 125 | 4 | OH/UG | UHTRS101B | 8-2/0 | Slotted | 14-2 | Steel | Series A | ACP | 1R |
| 125 | 5 | OH | UGHTRS101L [8] | 8-2/0 | Slotted | 14-2 | Steel | A125 [8] | — | 1R |
| 125 | 4 | OH | URS101BDQ [9] | 8-2/0 | 1/2 in. Hex | None | Steel | Series A | ACP | 1R |
| 125 | 5 | OH/UG | UGHTRS111C [10] | 8-2/0 | Slotted | 14-2 | Steel | Series A | ACP [10] | 4R |
| 200 | 4 | OH/UG | UBHMRS212B [6] | 8-250 | 1/2 in. Hex | None | Steel | Series A | ACP | 4R |
| 200 | 4 | OH | UHTRS202B | 8-250 | 1/2 in. Hex | 14-2 | Steel | Series A | ACP | 3R |
| 200 | 4 | OH/UG | UHTRS212B [6] | 8-250 | 1/2 in. Hex | 14-2 | Steel | Series A | ACP | 4R |
| 200 | 4 | OH/UG | UHTRS213B [6] | 1/0-350 | 1/2 in. Hex | 14-2 | Steel | Series A | ACP | 5R |
| 200 | 4 | UG | UHTRS223A [5] | 1/0-350 | 1/2 in. Hex | 14-2 | Steel | Solid Top [5] | — | 2R |
| 200 | 4 | UG | URS212ADQ [9] | 8-250 | 1/2 in. Hex | None | Steel | Solid Top [5] | — | 4R |
| Ringless Type, 1Ø3W 600 Vac Max., With Lever Bypass and Jaw Release | | | | | | | | | | |
| 200 | 4 | OH | UTH4203T | 6-350 | 1/2 in. Hex | 14-2 | Steel | Series A-L | ACPL | 8R |
| 200 | 4 | OH/UG | UTH4213T [6] | 6-350 | 1/2 in. Hex | 14-2 | Steel | Series A-L | ACPL | 9R |
| 200 | 5 | OH | UTH5203T | 6-350 | 1/2 in. Hex | 14-2 | Steel | Series A-L | ACPL | 8R |
| 200 | 5 | OH/UG | UTH5213T [6] | 6-350 | 1/2 in. Hex | 14-2 | Steel | Series A-L | ACPL | 9R |
| 320 | 4 | OH/UG | UTH4330T [11] | Studs Only | 3/8 in. dia. studs | 14-1/0 | Steel | Series A-L | ACPL | 11R |
| Ringless Type, 3Ø4W 600 Vac Max., With Lever Bypass and Jaw Release | | | | | | | | | | |
| 200 | 7 | OH/UG | UTH7213T [6] | 6-350 | 1/2 in. Hex | 14-2 | Steel | Series A-L | ACPL | 9R |
| 320 | 7 | OH | UTH7300T [11] | Studs Only | 3/8 in. dia. studs | 14-1/0 | Steel | Series A-L | ACPL | 10R |
| Ringless Type, 3Ø4W 600 Vac Max., Bolt-On Socket Without Bypass | | | | | | | | | | |
| 400 | 7 | OH/UG | UK7T [11] | Studs Only | 1/2 in.-20 dia. studs | 1/2 in.-20 dia. studs | Steel | Series A-L | ACPL | 12R |
| 400 | 7 | OH/UG | UAK7T [11] | Studs Only | 1/2 in.-20 dia. studs | 1/2 in.-20 dia. studs | Aluminum | Series A-L | ACPLA | 12R |
| Ring Type, 1Ø3W 600 Vac Max., Without Bypass or Jaw Release | | | | | | | | | | |
| 125 | 4 | OH/UG | URTRS101B [6] | 8-2/0 | Slotted | 14-2 | Steel | Series A | ACP | 1R |
| 200 | 4 | OH/UG | URTRS213B [6] | 1/0-350 | 1/2 in. Hex | 14-2 | Steel | Series A | ACP | 5R |

[1] Rating is continuous.
 [2] Device requires approval from the serving utility, consult your nearest Schneider Electric sales office.
 [3] For box dimensions, see [page 2-4](#)
 [4] Order appropriate bolt-on hub or closing plate separately and install on TOP endwall.
 [5] Device supplied with solid top endwall (without hub opening).
 [6] When unit is installed for underground feed, the appropriate closing plate must be ordered separately and installed over hub opening in TOP endwall of device.
 [7] Device supplied with two closing plates ACP mounted in TOP endwall.
 [8] Device supplied with 1-1/4 in. bolt-on hub (Cat. No. A125) mounted on TOP endwall.
 [9] Contains "Duquesne Light Co." approved label.
 [10] Device supplied with closing plate ACP mounted on TOP endwall.
 [11] Order lugs separately, see [page 2-3](#)



UT2R1121B

Horizontal Ganged Meter Sockets

- 1Ø, 600 Vac max., main lugs only, 2 through 6 meter positions, with and without horn or lever bypass, end or center feed, overhead and underground service feeds.
- 10 kA short circuit current rating (or higher with utility approval).
- UL Listed, NEMA 3R enclosure.
- Supplied with ground lugs.
- Supplied with hub opening in top endwall, requires the use of a bolt-on hub, or closing plate.

This metering is generally utility specific. Always check with local utility company before installing. Contact your nearest Field Sales Office for additional catalog numbers, if required by utility.

Table 2.2: Ringless Type, 1Ø3W, 600 Vac Max., Without Bypass or Jaw Release

| Branch Ratings | | | | Mains Rating (A) | Cat. No. | Main Lugs Phase and Neutral Al/Cu (AWG/kcmil) | Branch Lugs Phase and Neutral Al/Cu (AWG) | Top Endwall [12] | | Box No. [13] |
|----------------|------------------|----------------------|--------------|------------------|------------|---|---|-----------------------------|----------------------------------|--------------|
| Amperes [14] | No. of Positions | Socket Jaw Qty. [15] | Service Type | | | | | Hub Type (Order Separately) | Closing Plate (Order Separately) | |
| 100 A | 2 | 4 | OH/UG | 200 | UT2R1121B | 6-250 | 8-2/0 | Series A | ACP | 13R |
| | 3 | | | 205 | UT3R1121B | 6-250 | | | | 13R1 |
| | 4 | | | 205 | UT4R1131B | 6-350 | | | | 14R |
| | 5 | | | 250 | UT5R1131B | 6-350 | | | | 15R |
| | 6 | | | 300 | UT6R1131B | 6-350 | | | | 16R |
| | 2 | | | 205 | UT2R2122B | 6-250 | | | | 17R |
| 200 A | 4 | 4 | OH/UG | 360 | UT4R2352T | 1/0-500 | 8-250 | Series A-L | ACPL | 18R |
| | 5 | | | 500 | UT5R2392TU | 1/0-500 or (2)1/0-350 | | | | 19R |
| | | | | | | 620 | | | | UT6R2392TU |

Meter Mains with Test Block Bypass

Table 2.3: Ring Type, 1Ø3W and 3Ø4W, Meter Main with Test Block Bypass (Meets EUSERC Requirements)



EMT3225CB

EMT1225CB Without Covers

| System (Incoming and Service (Outgoing)) | Meter Socket Type | Ampere Rating (Max.) | Short Circuit Current Rating | Cat. No. [13][16] | Main Circuit Breaker Type (Order Separately) [17] |
|--|-------------------|----------------------|------------------------------|-------------------|---|
| 120/240 Vac 1Ø3W | 5-Jaw | 225 A | 100 kA max. | EMT1225CB | 2P Type QB, QD, QG, QJ (QO, QO-VH, QOH) [18] |
| 208Y/120 Vac 3Ø4W [19] or 240/120 Vac 3Ø4W Delta | 7-Jaw | 225 A | 65 kA max. | EMT3225CB | 3P Type QB, QD, QG or QJ |

Table 2.4: EMT Terminal Wire Size [20]

| Line Phase Lug | Line Neutral Lug | Service Ground Lug | Equipment Ground Lug | Load Neutral Lug |
|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| 6 AWG-300 kcmil Al/Cu | 6 AWG-350 kcmil Al/Cu | 4 AWG-300 kcmil Al/Cu | 6 AWG-300 kcmil Al/Cu | 4 AWG-300 kcmil Al/Cu |

Table 2.5: Adapter Plate, Lug Kits, and Sealing Rings

| Accessory | Description | Cat. No. |
|---------------|--|------------|
| Adapter Plate | To allow the use of a Series A Hub on a device that is setup for a series A-L Hub. | AAP |
| Lug Kits | For use on meter sockets supplied with Line, Load, and Neutral Studs only. Be sure to order enough lugs for each device (a typical 1Ø device requires 6 lugs). | |
| | Includes one, two-barrel lug (6-250 kcmil) | ARP00118 |
| | Includes one, single barrel lug (4-600 kcmil) | ARP00129 |
| Sealing Ring | Includes three, two-barrel lugs (6-350 kcmil) | ARP00427 |
| | Snap-on Aluminum (Standard) | 2920910001 |
| | Snap-on Stainless Steel (Non-standard) | ARP00026 |
| | Screw Type Aluminum (Non-standard) | 29008W |

Meter Socket Accessories

Table 2.6: Fifth-Jaw Kit, Closing Plates, and Hubs

| Accessory | Description | Cat. No. | |
|---------------------------------------|--|-----------|-------|
| Fifth-Jaw Kit | Converts a 4-jaw meter socket to a 5-jaw meter socket. For use on meter sockets supplied without lever bypass or jaw release only. | A5J | |
| | For Series A (steel) | ACP | |
| Closing Plates (to seal hub openings) | For Series A (aluminum) | ACPA | |
| | For Series A-L (steel) | ACPL | |
| | For Series A-L (aluminum) | ACPLA | |
| | | | |
| Hubs (listed by conduit size) | Series A | 1.00 inch | A100 |
| | | 1.25 inch | A125 |
| | | 1.50 inch | A150 |
| | | 2.00 inch | A200 |
| | | 2.50 inch | A250 |
| | | 2.00 inch | A200L |
| | Series A-L | 2.50 inch | A250L |
| | | 3.00 inch | A300L |
| | | 3.50 inch | A350L |
| | | 4.00 inch | A400L |
| | Series B | 3.00 inch | B300 |

[12] For hubs and closing plates, see page 2-3.

[13] For box dimensions, see page 2-4

[14] Rating is continuous.

[15] Fifth jaw kit available to convert 4-jaw socket to a 5-jaw socket. See page 2-3.

[16] Supplied with bondable neutral, suitable for use as service equipment, suitable for overhead or underground service. UL Listed E6294.

[17] See page 2-21 to select main circuit breaker.

[18] Requires use of an EZM12SQOA adapter (order separately), when using QO (40 A-125 A, 2-pole) 10 kA max. SCCR, QO-VH (40 A-60 A, 2-pole) 22 kA max. SCCR, or QOH (40 A-60 A, 2-pole) 42 kA max. SCCR.

[19] 100 kA max.

[20] Refer to circuit breaker listings for usable load lug wire sizes.

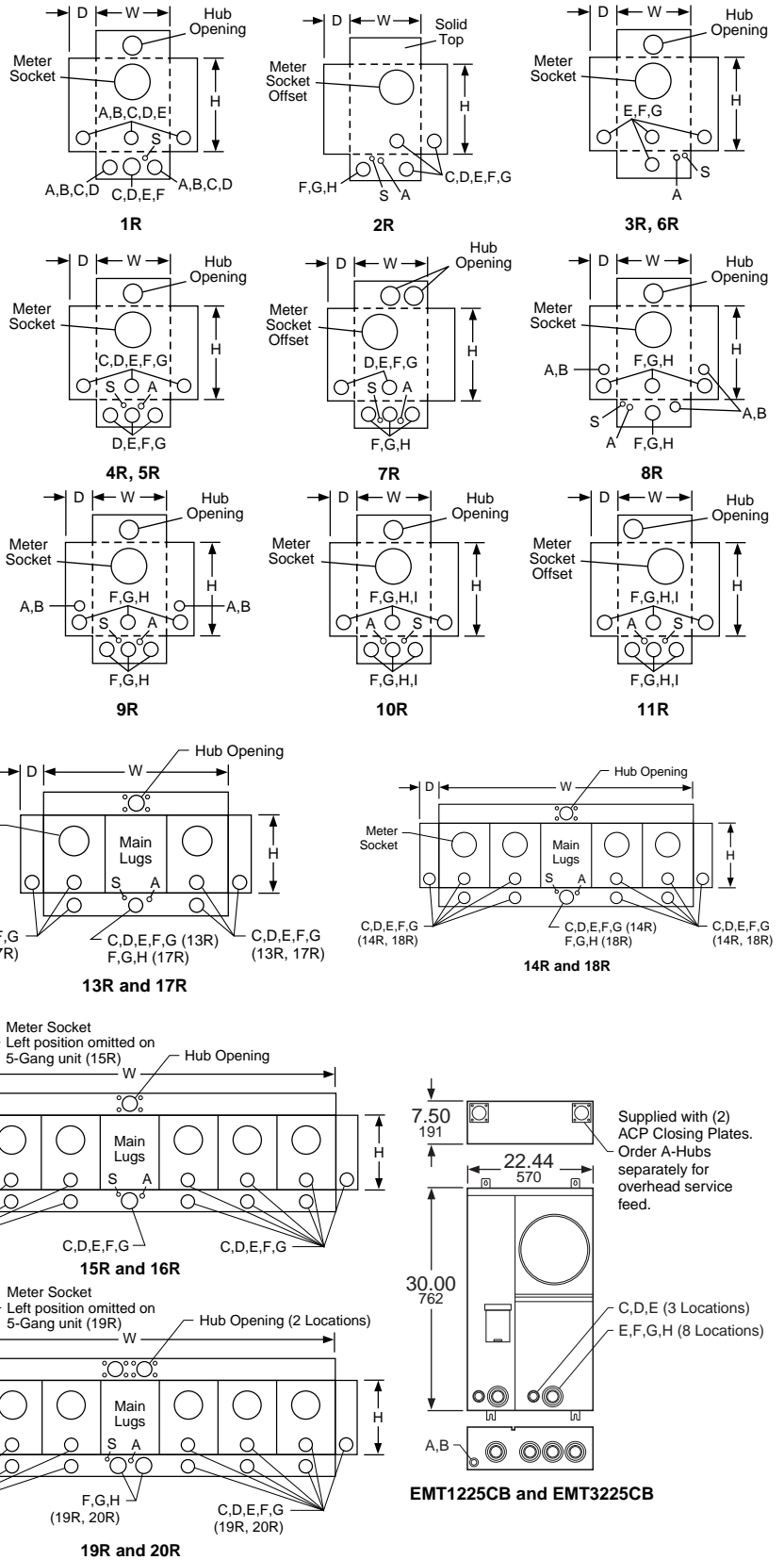
Table 2.7: Enclosure Dimensions

| Dimensions (Inches) | | | | |
|---------------------|-------|-------|------|--------------------------------------|
| Box No. | H | W | D | Hub Opening (Max. Conduit Size) [21] |
| 1R | 10.88 | 8.00 | 3.50 | Series A |
| 2R | 13.00 | 13.00 | 4.94 | Solid Top |
| 3R | 14.00 | 8.00 | 4.38 | Series A |
| 4R | 14.00 | 11.00 | 4.38 | Series A |
| 5R | 15.00 | 11.00 | 4.38 | Series A |
| 6R | 15.50 | 8.00 | 4.36 | Series A |
| 7R | 17.13 | 13.00 | 4.94 | (2) Series A |
| 8R | 19.00 | 10.50 | 4.94 | Series A-L |
| 9R | 19.00 | 13.00 | 4.94 | Series A-L |
| 10R | 34.50 | 15.00 | 5.68 | Series A-L |
| 11R | 36.62 | 15.00 | 5.68 | Series A-L |
| 12R | 43.00 | 20.25 | 6.00 | Series A-L |
| 13R | 14.12 | 24.31 | 4.50 | Series A |
| 13R1 | 14.12 | 32.50 | 4.50 | Series A |
| 14R | 14.12 | 40.62 | 4.50 | Series A |
| 15R | 14.12 | 48.75 | 4.50 | Series A |
| 16R | 14.12 | 57.00 | 4.50 | Series A |
| 17R | 14.12 | 24.31 | 5.38 | Series A |
| 18R | 14.12 | 40.62 | 5.38 | Series A-L |
| 19R | 14.12 | 54.75 | 5.38 | (2) Series A-L |
| 20R | 14.12 | 63.00 | 5.38 | (2) Series A-L |

Table 2.8: Knockout Information

| Knockouts | | | | | | |
|--------------------|-----------|-----|-------|---|-------|---|
| Symbol | S | A | B | C | D | |
| Conduit Size (in.) | 5/16 [22] | 1/2 | 3/4 | 1 | 1-1/4 | |
| Symbol | E | F | G | H | I | J |
| Conduit Size (in.) | 1-1/2 | 2 | 2-1/2 | 3 | 3-1/2 | 4 |

Dimensions and Knockouts for Meter Sockets



[21] Refer to page 2-3 for closing plates and hubs.
[22] Knockout for grounding conductor.



MP44125

Ring and Ringless Type Devices

- Consult local utility for approval before installation.
- 120/240 Vac 1Ø3W.
- Main lugs only—two to six meter sockets.
- Enclosures are indoor/rainproof NEMA 3R construction.
- Suitable only for use as service equipment.
- Swingable mounting feet supplied at bottom of device.
- Factory-installed mechanical lugs, alternate lugs and NEMA/EUSERC lug landing kits available.
- Surface mount, convertible to semi-flush with field installed flange kit.
- Ring type devices supplied with 4-jaw meter sockets (5th jaw kits available, order separately).
- Ringless type devices supplied with 5-jaw meter sockets, available with and without horn or lever bypass.
- Provisions for mounting 2-pole circuit breaker for each meter socket position (order circuit breakers separately).
- Mounting channel supplied, except for box 1R (125 A, 2-position).
- Combination overhead/underground feed.

Table 2.9: MP Catalog Number Description

| Number Segment | Character | Description | MP | H | 4 | 4 | 125 |
|--------------------------------------|-----------|---|----|---|---|---|-----|
| Device Name | MP | Meter-Pak Meter Center | | | | | |
| Socket/Bypass Type | Blank | Ring Type | | | | | |
| | R | Ringless Type with 5th Jaw | | | | | |
| | H | Ringless with Horn Bypass and 5th Jaw | | | | | |
| | L | Ringless with Lever Bypass, Jaw Release and 5th Jaw | | | | | |
| Bus Ampacity | 2 | 200 A | | | | | |
| | 3 | 300 A | | | | | |
| | 4 | 400 A | | | | | |
| | 5 | 500 A | | | | | |
| | 6 | 600 A | | | | | |
| | 8 | 800 A | | | | | |
| Number of Meter Sockets | 2 | 2-Positions MP, MPH, MPL, and MPR | | | | | |
| | 3 | 3-Positions MP, MPH, MPL, and MPR | | | | | |
| | 4 | 4-Positions MP, MPH, MPL, and MPR | | | | | |
| | 5 | 5-Positions MP, MPH and MPR | | | | | |
| Max. Tenant Circuit Breaker Amperage | 125 | 125 A | | | | | |
| | 200 | 200 A | | | | | |
| | 225 | 225 A | | | | | |

Table 2.10: Ring Type MP Meter-Pak Metering Equipment with 125 A (42 kA Maximum SCCR) or 200 A (22 kA Maximum SCCR) Meter Socket Positions

| Amperes per Pos. | No. of Positions | Factory-Installed Main Lugs Ampacity (alternate lugs [1]) | Main Bus Ampacity (A) | Cat. No. | Line Lug Wire Size Al/Cu AWG/kcmil | Circuit Breaker Type (2P) | Hub Prov. [2] | Semi-Flush Flange Kit | Wt Lbs | Box No. |
|------------------|------------------|---|-----------------------|-------------|------------------------------------|---------------------------|---------------|-----------------------|--------|---------|
| 125 | 2 | 200 | 200 | MP22125 [3] | (1) 4-250 | QO, QO-VH, QOH | A/B300 | MPSF12 | 46 | 1R |
| | 3 | 300 | 300 | MP33125 [4] | (1) 1/0-600 or (2) 1/0-250 | | A-L | MPSF14 | 95 | 2R |
| | 4 | 400 | 400 | MP44125 [4] | (1) 1/0-600 or (2) 1/0-250 | | A-L | MPSF14 | 97 | 2R |
| | 5 | 400 Al 500 Cu | 500 | MP55125 [4] | (1) 1/0-600 or (2) 1/0-250 | | (4) A-L | MPSF16 | 130 | 3R |
| | 6 | 400 Al 500 Cu | 600 | MP66125 [4] | (1) 1/0-600 or (2) 1/0-250 | | (4) A-L | MPSF16 | 132 | 3R |
| 200 | 2 | 400 | 400 | MP42200 [4] | (1) 1/0-600 or (2) 1/0-250 | QOM2-MM, QOM2-MVH | (4) A-L | MPSF23 | 99 | 4R |
| | 3 | 400 | 400 | MP43200 [4] | (1) 1/0-600 or (2) 1/0-250 | | | MPSF23 | 99 | 4R |
| | 4 | 400 | 600 | MP64200 [4] | (1) 1/0-600 or (2) 1/0-250 | | | MPSF24 | 135 | 5R |
| | 5 | 600 Al, 750 Cu | 800 | MP85200 [4] | (2) 3/0-500 | | | MPSF26 | 173 | 6R |
| | 6 | 600 Al, 750 Cu | 800 | MP86200 [4] | (2) 3/0-500 | | | MPSF26 | 173 | 6R |

Table 2.11: Ringless Type MP Meter-Pak Metering Equipment with 125 A (42 kA Maximum SCCR) or 200 A Type MPR, MPH (22 kA Maximum SCCR) or 225 A Type MPL (100 kA Maximum SCCR) Meter Socket Positions

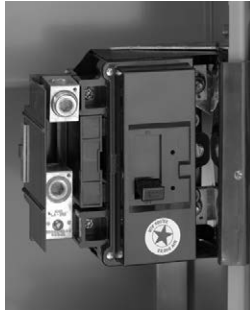
| Amperes Per Pos. | No. of Pos. | Factory-Installed Main Lugs Ampacity (alternate lugs [1]) | Main Bus Ampacity | No. Bypass Cat. No. | Horn Bypass Cat. No. | Lever Bypass Cat. No. | Line Lug Wire Size Al/Cu AWG/kcmil | Circuit Breaker Type (2P) [5] | Hub Prov. [2] | Semi-Flush Flange Kit | Wt Lbs | Box No. |
|------------------|-------------|---|-------------------|---------------------|----------------------|-----------------------|------------------------------------|---|---------------|-----------------------|--------|---------|
| 125 | 2 | 200 | 200 | MPR22125 | MPH22125 | — | (1) 4-250 | QO, QO-VH, QOH | A/B300 | MPSF12 | 46 | 1R |
| | 3 | 300 | 300 | MPR33125 | MPH33125 | — | (1) 1/0-600 or (2) 1/0-250 | | A-L | MPSF14 | 95 | 2R |
| | 4 | 400 | 400 | MPR44125 | MPH44125 | — | (1) 1/0-600 or (2) 1/0-250 | | | MPSF14 | 97 | 2R |
| | 5 | 400 Al 500 Cu | 500 | MPR55125 | MPH55125 | — | (1) 1/0-600 or (2) 1/0-250 | | (2) A-L | MPSF16 | 130 | 3R |
| | 6 | 400 Al 500 Cu | 600 | MPR66125 | MPH66125 | — | (1) 1/0-600 or (2) 1/0-250 | | | MPSF16 | 132 | 3R |
| 200 | 2 | 400 | 400 | MPR42200 | MPH42200 | — | (1) 1/0-600 or (2) 1/0-250 | QOM2-MM, QOM2-MVH | (2) A-L | MPSF23 | 99 | 4R |
| | 3 | 400 | 400 | MPR43200 | MPH43200 | | | | | MPSF23 | 99 | 4R |
| | 4 | 400 | 600 | MPR64200 | MPH64200 | | | | | MPSF24 | 135 | 5R |
| 225 | 2 | 350 | 350 | — | — | MPL32225 | (1) 1/0-600 or (2) 1/0-250 | QBP-TM, QDP-TM, QGP-TM or QJ-TM QO [6], QO-VH [6] or QOH [6] | (2) A-L | N/A | 105 | 7R |
| | 3 | 400 | 500 | — | — | MPL53225 | | | | N/A | 147 | 8R |
| | 4 | 400 | 600 | — | — | MPL64225 | | | | N/A | 200 | 9R |
| 200 | 5 | 600 Al, 750 Cu | 800 | MPR85200 | MPH85200 | — | (2) 3/0-500 | QOM2-MM, QOM2-MVH | (2) A-L | MPSF26 | 173 | 6R |
| | 6 | 600 Al, 750 Cu | 800 | MPR86200 | MPH86200 | — | (2) 3/0-500 | | | MPSF26 | 173 | 6R |

NOTE: UL Listed short circuit current rating depends on lowest interrupting rating of circuit breaker installed.

[1] See page 2-7 for alternate lugs.
 [2] For A and A-L Hubs see page 2-3, for B Hubs see Digest Section 3.
 [3] Meets EUSERC standards.
 [4] Meets EUSERC standards with addition of lug landing kit, MMSK2.
 [5] See page 2-7
 [6] Requires use of EZM125QOA adapter (order separately).

Tenant Circuit Breakers

UL Listed Short Circuit Current Rating depends on lowest interrupting rating of circuit breaker installed. (Refer to page 2-11 for Square D certified ratings for downstream panelboards and load centers.)



QOM2200MVH



QO2100VH
2P, Plug-on Type
Circuit Breaker



QDP22200TM
2P, Plug-on Type
Circuit Breaker



MMLK500

Table 2.12: Tenant Circuit Breakers

| Amperes | 10 k AIR 120/240 Vac | 22 k AIR 120/240 Vac | 42 k AIR 120/240 Vac | 100 k AIR 120/240 Vac |
|--|-------------------------|-------------------------|-------------------------|--------------------------|
| For use in 125 A Max. Type MP, MPR and MPH Meter-Pak Metering Equipment | | | | |
| 40 | QO240 | QO240VH [7] | QOH240 | — |
| 50 | QO250 | QO250VH [7] | QOH250 [7] | — |
| 60 | QO260 | QO260VH | QOH260 [7] | — |
| 70 | QO270 | QO270VH | QOH270 [7] | — |
| 80 | QO280 | QO280VH | QOH280 [7] | — |
| 90 | QO290 | QO290VH | QOH290 | — |
| 100 | QO2100 | QO2100VH | QOH2100 | — |
| 125 | QO2125 | QO2125VH | QOH2125 | — |
| For use in 200 A Max. Type MP, MPR and MPH Meter-Pak Metering Equipment | | | | |
| 100 | QOM2100MM | QOM2100MVH | — | — |
| 125 | QOM2125MM | QOM2125MVH | — | — |
| 150 | QOM2150MM | QOM2150MVH | — | — |
| 175 | QOM2175MM | QOM2175MVH | — | — |
| 200 | QOM2200MM | QOM2200MVH | — | — |
| Amperes | 10 k AIR 120/240 Vac | 25 k AIR 120/240 Vac | 65 k AIR 120/240 Vac | 100 k AIR 120/240 Vac |
| For use in 225 A MPL Lever Bypass Meter-Pak Metering Equipment | | | | |
| 40 | QO240 [8] | QO240VH [7] [9] [8] | QOH240 [10] [8] | — |
| 50 | QO250 [8] | QO250VH [7] [9] [8] | QOH250 [10] [7] [8] | — |
| 60 | QO260 [8] | QO260VH [7] [9] [8] | QOH260 [10] [7] [8] | — |
| 70 | QBP22070TM | QDP22070TM | QGP22070TM | QJP22070TM |
| 80 | QBP22080TM | QDP22080TM | QGP22080TM | QJP22080TM |
| 90 | QBP22090TM | QDP22090TM | QGP22090TM | QJP22090TM |
| 100 | QBP22100TM | QDP22100TM | QGP22100TM | QJP22100TM |
| 110 | QBP22110TM | QDP22110TM | QGP22110TM | QJP22110TM |
| 125 | QBP22125TM | QDP22125TM | QGP22125TM | QJP22125TM |
| 150 | QBP22150TM | QDP22150TM | QGP22150TM | QJP22150TM |
| 175 | QBP22175TM | QDP22175TM | QGP22175TM | QJP22175TM |
| 200 | QBP22200TM | QDP22200TM | QGP22200TM | QJP22200TM |
| 225 | QBP22225TM | QDP22225TM | QGP22225TM | QJP22225TM |

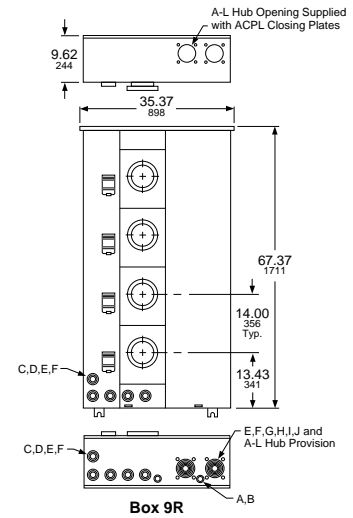
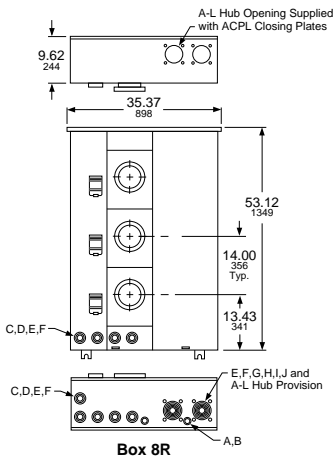
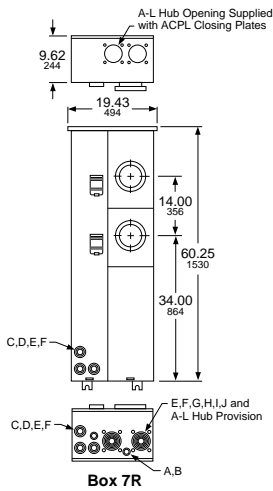
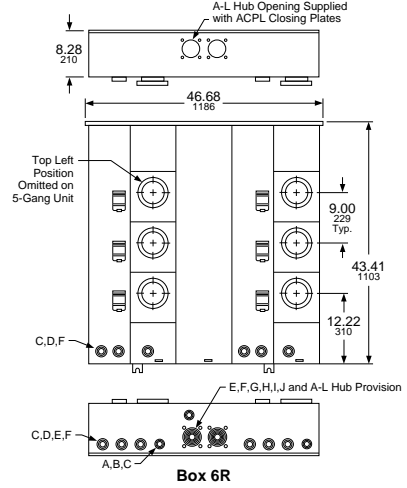
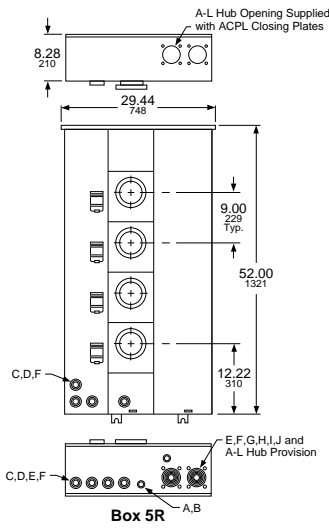
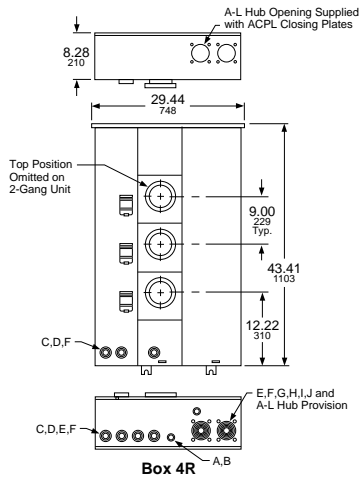
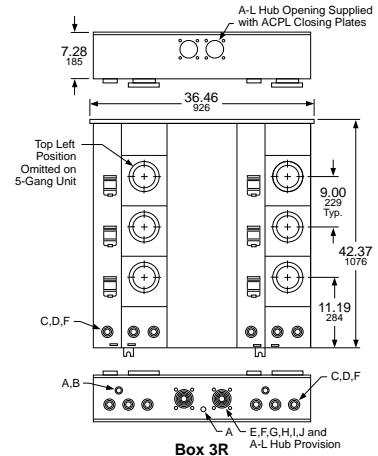
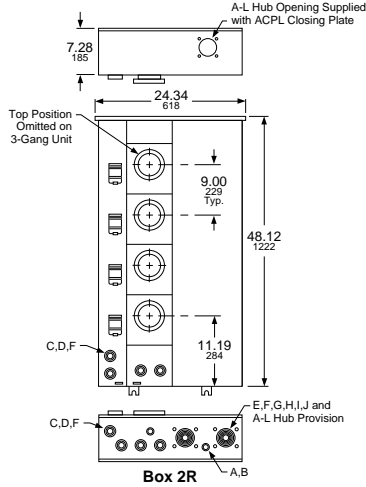
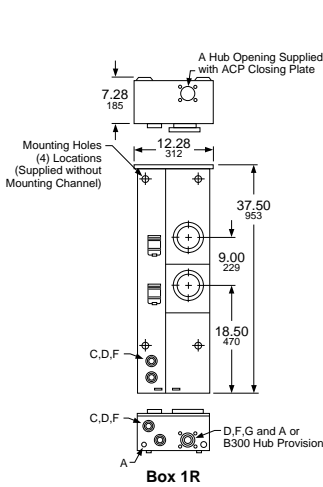
Accessories for MP Meter-Pak Meter Centers

Table 2.13: Accessories

| Accessory | Description | Cat. No. |
|---|---|---|
| Fifth Jaw Kit | Fifth Jaw Kit | 5J |
| Horn Bypass Kit | For MPR and MPH only | MMHB |
| QO Adapter | For Bolt-on Q2M tenant circuit breakers (40–125 A, 2P) | EZM125QOA |
| Slider Type Manual Circuit Closing: | 125 A Ring Style 2 Position Top Meter (Only) 125 and 200 A Ring Style | MM125MB [11] MM200MB [11] |
| Sealing Rings: | Snap-on Aluminum Screw Type Aluminum Snap-on Type Stainless Steel | 2920910001 29008W ARP00026 |
| Meter Cover-Lexan™ | Meter Cover-Lexan™ | 29007 |
| Optional Lug Kits: | (1) 1/0–600 AWG/kcmil or (2) 1/0–250 AWG/kcmil per phase (2) 3/0–500 AWG/kcmil per phase (2) 2–600 AWG/kcmil per phase | MMLK250 [12][13] MMLK500 [13] MMLK600 [13] |
| Semiflush Kits: | 125 A 2 Position 125 A 3–4 Position 125 A 5–6 Position 200 A 2–3 Position 200 A 4 Position 200 A 5–6 Position | MPSF12 MPSF14 MPSF16 MPSF23 MPSF24 MPSF26 |
| NEMA/EUSERC Lug Landing Kit: | For 3 through 6 position 125 A and 200 A devices. Each pad rated 600 A maximum and includes (2) 1/2-13 studs and mounting hardware. | MMSK2 [13] |
| NEMA Lug Landing Kit: | For use ONLY on MPL43225, MPL53225 and MPL64225 with optional lugs. See wiring diagram of each device for optional lugs. | MMSK4 |
| MP Meter-Pak Wireway: (Wall Mount Pedestal) | 125 A 2 Position ONLY 125 A 3–6 Position 200 A 2–6 Position MPL32-225 MPL53-225 MPL64-225 | MP43X8PED MP43X11PED MP43X11PED MP35X11PED [14] MP43X11PED MP35X11PED [14] |
| MP Meter-Pak Wireway Extensions: | Used ONLY with MP43X8PED Used with MP43X11PED and MP35X11PED | MP12X8PEDEXT [14] MP12X11PEDEXT [14] |

[7] Order only. Not stocked in PDS. Order Point: Lincoln.
 [8] Requires use of EZM125QOA adapter (order separately).
 [9] QO-VH tenant circuit breakers are rated 22 kAIR at 120/240 Vac.
 [10] QOH tenant circuit breakers are rated 42 k AIR at 120/240 Vac.
 [11] The meter center short circuit current rating is 10 kA when manual circuit closing is used. Not rated for continuous duty.
 [12] Standard lug for 3 through 6 position 125 A and 2 through 4 position 200 A devices.
 [13] Cannot be installed on 2 position 125 A device.
 [14] Order only. Not stocked in PDS. Order point: Lexington.
 For hubs and closing plates, see page 2-3.

Dimensions and Knockouts for MP Meter-Pak Meter Centers



| Symbol | Knockouts | | | | | | | | | |
|--------------------|-----------|-----|---|-------|-------|---|-------|---|-------|---|
| | A | B | C | D | E | F | G | H | I | J |
| Conduit Size (in.) | 1/2 | 3/4 | 1 | 1-1/4 | 1-1/2 | 2 | 2-1/2 | 3 | 3-1/2 | 4 |

NEMA 3R Construction

240 Vac Maximum, for use on AC systems, suitable for use as Service Equipment.

Utility Company Requirements Review local utility requirements to ensure that metering equipment meets their standards.

EZ Meter-Pak meter center enclosures meet NEC wire bending requirements, and are designed for wall mounting only (not suitable for floor mounting). All unmetrated conductor compartments may be sealed by the utility company.

EZ Meter-Pak meter centers have UL Listed short circuit current ratings up to 100 kA at 240 Vac when properly applied. For three-tier series ratings refer to Data Bulletin 4100DB0301 and Instruction Bulletin 80043-303-22.

Suitable incoming services for an EZM main device and available outgoing feeder(s) to downstream panelboards from EZM branch section(s)—

Incoming Service to Main Device 120/240 Vac, 1Ø3W

Available outgoing feeder(s) to downstream panelboards:

- 120/240 Vac, 1Ø3W (4-jaw ring type meter sockets, two-pole circuit breakers), (5-jaw ringless meter sockets, two-pole circuit breakers).

Incoming Service to Main Device 240/120 Vac, 3Ø4W Delta

Available outgoing feeder(s) to downstream panelboards:

- 120/240 Vac, 1Ø3W (Fed from transformer's "A-Phase" and "C-Phase" only.) NOTE: Connection to High-Leg "B-Phase" not permitted for this service (4-jaw ring type meter sockets, two-pole circuit breakers) (5-jaw ringless meter sockets, two-pole circuit breakers) Standard 3Ø IN/1Ø OUT branch units **are not suitable for use on this Delta System**. Special branch units are available for this System by adding suffix: "CA" to catalog number (Typical Examples: EZM313125CA, EZM313125XCA, EZM313125CUXCA, EZM314225CA, EZM314225XCA, EZM314225CUXCA, EZM315225CA, EZM314225CUCU, etc.).

- 240/120 Vac, 3Ø4W Delta (7-jaw meter sockets, three-pole circuit breakers).

Incoming Service to Main Device 208Y/120 Vac, 3Ø4W

Available outgoing feeder(s) to downstream panelboards:

- 120/208 Vac, 1Ø3W (5-jaw meter sockets, two-pole circuit breakers)
- 208Y/120 Vac, 3Ø4W (7-jaw meter sockets, three-pole circuit breakers).

EZM General Information

Main Devices

- 400, 600 and 800 A main disconnects may be end-mounted with branch units having 800 A or 1200 A continuous horizontal cross bus.
- 1000 and 1200 A main disconnect or terminal box **must be center mounted** when used with branch devices with main bus rated 800 A continuous.
- 1600 A main disconnect or terminal box **must be center mounted**.
- 2000 A main disconnect **must be center mounted** and requires use of branch units having 1200 A continuous horizontal cross bus.
- 400, 800 and 1200 A Type EZM-TBU terminal boxes supplied with lug landings to meet EUSERC requirements.

Main Circuit Breaker ratings: 400, 600, 800, 1000, 1200, 1600 and 2000 A

Main Fusible Switch ratings: 400, 600, 800, and 1200 A (1Ø3W only)

Main Lugs Terminal Box ratings: 225, 400, 600, 800, 1200, 1600, and 2000 A

Branch Units

- **125 and 225 A residential branch units** are available in ring type or ringless type construction and are supplied with 800 A continuous aluminum horizontal cross bus as standard (Example: EZM314125). For optional 1200 A continuous copper horizontal cross bus with aluminum vertical connectors, add suffix "X" to catalog number (Example: EZM314125X). For optional 1200 A continuous all-copper bussing, add suffix "CUX" to catalog number (Example: EZM314125CUX). NOTE: 5-gang 225 A EZM, EZMR and EZMH residential branch units are supplied with 1200 A continuous Cross Bus as standard, do not add suffix "X" or "CUX" to these units (Examples: EZMR315225 or EZMR315225CU). Plug-in style residential meter sockets are available as ring type **EZM** without bypass, ringless type **EZMR** without bypass, and ringless type **EZMH** with horn bypass. Tenant circuit breakers must be ordered separately for these branch units. 125 A max. units make use of Type QO, QO-VH or QO-H two-pole tenant circuit breakers (40–125 A). 225 A max. units make use of Type QDP-TM, QBP-TM, QGP-TM and QJP-TM two-pole tenant circuit breakers (70–225 A), and may also make use of two-pole Type QO (40–125 A at 10 kA max.), two-pole Type QO-VH (40–60 A at 100 kA max.), or two-pole Type QO-H (40–60 A at 100 kA max.) tenant circuit breakers.
- **225 A commercial branch units** are available in ring type or ringless type construction and are supplied with 1200 A copper horizontal cross bus with aluminum vertical connectors as standard (Example: EZML314225). For optional 1200 A continuous all-copper bussing, add suffix "CU" to catalog number (Example: EZML314225CU). Plug-in style commercial meter sockets are available as ring type **EZMT** with test block bypass (meets EUSERC requirements), ringless type **EZMR** without bypass, and ringless type **EZML** with lever bypass.

225 A max. units make use of type QDP-TM, QBP-TM, QGP-TM and QJP-TM two-pole or three-pole tenant circuit breakers (70–225 A), and may also make use of two-pole type QO (40–125 A at 10 kA max.), two-pole type QO-VH (40–60 A at 100 kA max.), or two-pole type QO-H (40–60 A at 100 kA max.) tenant circuit breakers.

Note: QO, QO-VH and QO-H tenant circuit breakers used in 225 A branch units require the use of adapter **EZM125QOA** (purchased separately).

- **400 A branch units** are available in ringless type construction only, and are supplied with 1200 A continuous all-copper bussing as standard (Example: EZML332400). These branch units are supplied with factory-installed type LJL tenant circuit breakers that have a field adjustable ampere rating trip setting from 125 A min. to 400 A max.

A tamper-evident seal kit is available where needed, order seal kit **MICROTUSEAL** (refer to NEC 240-6 [c]). 400 A branch units are available as Type **EZML** with plug-in style lever bypass type meter sockets, or Type **EZMK** with bolt-on style with manual bypass type meter sockets.

- Units having **800 A continuous horizontal cross bus** WILL CONNECT with units having **1200 A continuous horizontal cross bus**.
- **Single phase units** (three bus bars in horizontal cross bus) WILL NOT CONNECT with **three phase units** (four bus bars in horizontal cross bus).

For Load Center Three-Tiered Series Ratings used downstream from Metering Equipment, refer to Data Bulletins: 4100DB0301 and 2700DB9901.

EZM Configuration Information

Table 2.14: EZM Mains Devices

| Number Segment | Character | Description | EZM | 1 | 1000 | CB | U | CU |
|----------------------|-----------|--|-----|---|------|----|---|----|
| Device Name | EZM | EZ Meter-Pak Meter Center | | | | | | |
| Service Feed | 1 | 1Ph, 3W | | | | | | |
| | 3 | 3Ph, 4W | | | | | | |
| Mains Rating | | 225 A | | | | | | |
| | | 400 A | | | | | | |
| | | 600 A | | | | | | |
| | | 800 A | | | | | | |
| | | 1000 A | | | | | | |
| | | 1200 A | | | | | | |
| | | 1600 A | | | | | | |
| | | 2000 A | | | | | | |
| Main Type | CB | Main Circuit Breaker | | | | | | |
| | FS | Main Fusible Switch | | | | | | |
| | TB | Terminal Box | | | | | | |
| | GCB | Main Circuit Breaker (65 kAIC) | | | | | | |
| | JCB | Main Circuit Breaker (100 kAIC) | | | | | | |
| Feed Direction | Blank | Overhead / Underground | | | | | | |
| | C | Overhead / Underground | | | | | | |
| | B | Underground Only | | | | | | |
| | T | Overhead Only | | | | | | |
| | U | Underground Only, Meets EUSERC Standards up to 1200 A max. | | | | | | |
| Special Construction | E | Underground Only, Meets EUSERC Standards up to 1200 A max. | | | | | | |
| | Blank | Aluminum Horizontal Cross Bus Bar up to 1000A max. | | | | | | |
| | CU | Copper Horizontal Cross Bus Bar | | | | | | |
| | MS | Includes Energy Reduction Maintenance Switch | | | | | | |

This table is for interpreting existing part numbers only. All possible combinations are not available.

Table 2.15: EZM Branch Devices

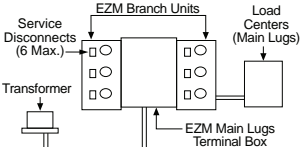
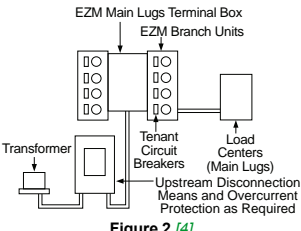
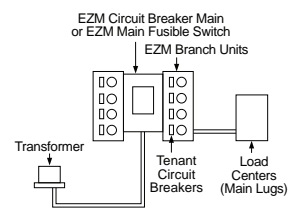
| Number Segment | Character | Description | EZM | R | 1 | 1 | 3 | 125 | CU |
|---|-------------------------|--|-----|---|---|---|---|-----|----|
| Device Name | EZM | EZ Meter-Pak Meter Center | | | | | | | |
| Socket/Bypass Type | Blank | Ring Type | | | | | | | |
| | R | Ringless Type with 5th Jaw | | | | | | | |
| | H | Ringless with Horn Bypass and 5th Jaw | | | | | | | |
| | L | Lever Bypass with 5th Jaw, 7th Jaw if Three Phase | | | | | | | |
| | T | Ring Type Test-Block Bypass EUSERC | | | | | | | |
| | K | K-Base Bolt-On Type | | | | | | | |
| Service Feed | 1 | 1Ph, 3W | | | | | | | |
| | 3 | 3Ph, 4W | | | | | | | |
| Load Feed | 1 | 1Ph, 3W | | | | | | | |
| | 3 | 3Ph, 4W | | | | | | | |
| Number of Meter Sockets Available | Meter Sockets Available | 1,2,3,4,5 or 6 | | | | | | | |
| Maximum Tenant Circuit Breaker Amperage | 125 | 125 A | | | | | | | |
| | 225 | 225 A | | | | | | | |
| | 400 | 400 A | | | | | | | |
| Special Construction | Blank | Aluminum Horizontal Cross Bus Bar | | | | | | | |
| | CA | For 240/120 Vac Delta Systems | | | | | | | |
| | CU | Copper Horizontal Cross Bus Bar | | | | | | | |
| | D | Removable Drip Hood with Indoor Top Endwall with Knockouts | | | | | | | |
| | M10 | 10-Inch Meter Centers | | | | | | | |
| | X | 1200A Copper Horizontal Cross Bus Bar | | | | | | | |

2 METERING EQUIPMENT

Selection Information

- Review local utility requirements to ensure that metering equipment meets their standards.
- Check local utility to determine available fault current at the meter center.
- Using the SCCR table:
 - Select meter center configuration, main lugs only (Six Disconnect Rule), or remote main, main circuit breaker, or main fusible switch.
 - Read down to select SCCR equal to, or greater than desired rating.
 - Read across to select branch unit tenant circuit breaker type.
 - Continue reading across to select EZM main device type.

Table 2.16: UL Listed Meter Center Short Circuit Current Ratings (SCCR) [1]

| Figures | Short Circuit Current Rating (240 Vac Maximum) [2] [3] | EZM Meter Center Overcurrent Protection Devices | | |
|--|--|---|---|---|
| | | EZM Branch Unit Tenant Circuit Breaker Types Available (Branch Unit Amperes max., Tenant Circuit Breaker Amperes Rating Range) | EZM Main Device with Integral Mounted Main, Remote Mounted Main or without an Upstream Mounted Main (Six Disconnect Rule) | |
|  <p>Figure 1 [4]</p> | EZ Meter-Pak (Six Disconnect Rule Applications)—See Figure 1 | | | |
| | 10 kA | QO (125 A, 2P, 40–125 A) QO (225 A, 2P, 40–125 A) [5] QB (225 A, 2P or 3P, 70–225 A) | 400–2000 A Main Lugs Terminal Box (Tenant Circuit Breakers used as Service Disconnects—6 maximum) | |
| | 22 kA | QO-VH (125 A, 2P, 40–125 A) QO-VH (225 A, 2P, 40–60 A) [5] | | |
| | 25 kA | QD (225 A, 2P or 3P, 70–225 A) | | |
| | 42 kA | QOH (125 A, 2P, 40–125 A) QOH (225 A, 2P, 40–60 A) [5] | | |
| | 65 kA | QG (225 A, 2P or 3P, 70–225 A) | | |
| | 100 kA | QJ (225 A, 2P or 3P, 70–225 A) [6] LJL (125–400 A, 2P or 3P) [7] | | |
|  <p>Figure 2 [4]</p> | EZ Meter-Pak 225–2000 A Main Lugs Terminal Box Applications Protected by Remote Main—See Figure 2 | | | |
| | 10 kA | QO (125 A, 2P, 40–125 A) QO (225 A, 2P, 40–125 A) [5] QB (225 A, 2P or 3P, 70–225 A) LJL (125–400 A, 2P or 3P) [7] | Must be protected by an upstream disconnecting means rated 10 k AIR minimum | |
| | 22 kA | QO-VH (125 A, 2P, 40–125 A) QO-VH (225 A, 2P, 40–60 A) [5] LJL (125–400 A, 2P or 3P) [7] | Must be protected by an upstream disconnecting means rated 22 k AIR minimum | |
| | 25 kA | QD (225 A, 2P or 3P, 70–225 A) LJL (125–400 A, 2P or 3P) [7] | Must be protected by an upstream disconnecting means rated 25 k AIR minimum | |
| | 42 kA | QOH (125 A, 2P, 40–125 A) QOH (225 A, 2P, 40–60 A) [5] LJL (125–400 A, 2P or 3P) [7] QO-VH (125 A, 2P, 40–125 A) QO-VH (225 A, 2P, 40–60 A) [5] QD (225 A, 2P or 3P, 70–225 A) | Must be protected by an upstream disconnecting means rated 42 k AIR minimum | |
| | 65 kA | QG (225 A, 2P or 3P, 70–225 A) LJL (125–400 A, 2P or 3P) [7] QO-VH (125 A, 2P, 40–125 A) QO-VH (225 A, 2P, 40–60 A) [5] QD (225 A, 2P or 3P, 70–225 A) LJL (125–400 A, 2P or 3P) [7] | Must be protected by an upstream disconnecting means rated 65 k AIR minimum | |
| | 100 kA | QJ (225 A, 2P or 3P, 70–225 A) [6] LJL (125–400 A, 2P or 3P) [7] QO-VH (125 A, 2P, 40–125 A) QO-VH (225 A, 2P, 40–60 A) [5] QD (225 A, 2P only, 70–225 A) LJL (125–400 A, 2P or 3P) [7] QD (225 A, 3P only, 70–225 A) [6] | Must be protected by an upstream disconnecting means rated 100 k AIR minimum | |
| | EZ Meter-Pak—Main Circuit Breaker Applications—See Figure 3 | | | |
| | 10 kA | QO (125 A, 2P, 40–125 A) QO (225 A, 2P, 40–125 A) [5] QB (225 A, 2P or 3P, 70–225 A) | 400–2000 A EZM Main Device with Type LH (400 A max.); MG or MJ (800 A max.); MH (1000 A max.); PG or PJ (1200 A max.); RG or RJ (2000 A max.) | |
| | 65 kA | QO-VH (125 A, 2P, 40–125 A) QO-VH (225 A, 2P, 40–60 A) [5] QD (225 A, 2P or 3P, 70–225 A) LJL (125–400 A, 2P or 3P) [7] | | |
| |  <p>Figure 3 [4]</p> | 100 kA | QO-VH (125 A, 2P, 40–125 A) QO-VH (225 A, 2P, 40–60 A) [5] QD (225 A, 2P only, 70–225 A) QD (225 A, 3P only, 70–225 A) [6] LJL (125–400 A, 2P or 3P) [7] QD (225 A, 2P only, 70–225 A) QD (225 A, 3P only, 70–225 A) [6] LJL (125–400 A, 2P or 3P) [7] | 1000 A Main Device with catalog number suffix "CBU" supplied with Type MHF circuit breaker. |
| | | EZ Meter-Pak—Main Fusible Switch Applications—See Figure 3 | | |
| 10 kA | | QO (125 A, 2P, 40–125 A) QO (225 A, 2P, 40–125 A) [5] QB (225 A, 2P or 3P, 70–225 A) | 400–1200 A EZM Main Device (1Ø or 3Ø) with Class T (300 Vac) fuses installed. | |
| 100 kA | QO-VH (125 A, 2P, 40–125 A) QO-VH (225 A, 2P, 40–60 A) [5] QD (225 A, 2P only, 70–225 A) QD (225 A, 3P only, 70–225 A) [6] LJL (125–400 A, 2P or 3P) [7] | 400–1200 A EZM Main Device (1Ø or 3Ø) with Class T (300 Vac) fuses installed. | | |

[1] Tenant circuit breakers of same frame size having higher AIR values may replace tenant circuit breakers as listed in this table and maintain the series rating.
 [2] Meter center short circuit current rating is equal to the lowest short circuit current rating given in table for any circuit breaker installed in any meter panelboard in the meter center.
 [3] Short circuit current rating is measured at the LINE SIDE terminals of the integral mounted or remote mounted main providing overcurrent protection for the EZM metering equipment lineup.
 [4] For three-tier series ratings refer to Data Bulletin 4100DB0301 and Instruction Bulletin 80043-303-22.
 [5] Requires use of EZM125QOA adapter (order separately).
 [6] 3P only tenant circuit breaker(s) are limited to: 100 kA Max. at 208Y/120 Vac or 65 kA Max at 240/120 Vac.
 [7] Supplied with factory-installed circuit breaker(s), with an adjustable trip range of 125–400 A.

**1Ø 3W 120/240 Vac EZ Meter-Pak Meter Centers—
1Ø, Indoor/Rainproof, UL Listed**

1200 A Main CB/Fusible Switch Devices come Standard with 2-STEP Removable Service Entrance Endwalls

Select EZM meter center short circuit current rating from [Table 2.16 UL Listed Meter Center Short Circuit Current Ratings \(SCCR\)](#), page 2-11. Using this table as a reference, make the following selections:

1. Select EZM 1Ø main device from [Table 2.17](#) or [Table 2.18](#), with an equal or higher short circuit rating than the application.
2. Select EZM 1Ø branch units from [Table 2.20](#) or [Table 2.21](#).
3. Select proper 2P type QO, QO-VH, QOH, QBP-TM, QDP-TM, QGP-TM or QJP-TM branch circuit breakers for use as tenant mains in branch unit from [Table 2.33](#) and [Table 2.34](#).
4. Select accessories as required from [Table 2.35](#).
5. Dimensions; see [page 2-22](#) and [page 2-23](#).

Select Main Devices—NEMA 3R Construction

Table 2.17: 1Ø Main Devices

| Ampere Rating | Service Feed | Horizontal Cross Bus Rating and Bus Bar Material | Cat. No. [8] | | Width (in.) | Factory-Installed Line Side Lug (Conductors per Phase and Neutral) Wire Size (AWG/kcmil) |
|--|--------------|--|-----------------------|-----------------------|-------------|--|
| Main Circuit Breaker (1Ø Incoming and 1Ø Outgoing) | | | | | | |
| | | | 65 kA | 100 kA | | |
| 400 | OH/UG | 400 A, Al | EZM1400CB | — | 18.66 | (1) 1–600 or (2) 1–250 |
| 600 | OH/UG | 600 A, Al | EZM1600CB | — | 18.66 | (3) 3/0–500 |
| 800 | OH/UG | 800 A, Al | EZM1800CB | — | 18.66 | (3) 3/0–500 |
| 1000 | OH/UG | 1200 A, Cu | EZM11000CB | — | 18.66 | (3) 3/0–500 |
| 1200 | OH | 1200 A, Al | EZM11200GCBT [9] | EZM11200JCBT [9] | 23.69 | (4) 3/0–500 |
| 1200 | UG | 1200 A, Al | EZM11200GCBU [9] [10] | EZM11200JCBU [9] [10] | 23.69 | (4) 3/0–500 |
| 1600 | UG | 1200 A, Al/Cu | EZM11600GCBU [9] [11] | EZM11600JCBU [9] [11] | 22.48 | 6 (Order Lugs Separately) |
| 1600 | OH/UG | 1200 A, Al/Cu | EZM11600GCB [9] [11] | EZM11600JCB [9] [11] | 30.19 | (6) 1/0–750 or (12) 1/0–250 |
| 2000 | OH/UG | 1200 A, Al/Cu | — | EZM12000CB [11] | 30.19 | (6) 1/0–750 or (12) 1/0–250 |
| 2000 | UG | 1200 A, Al/Cu | — | EZM12000CBU [11] | 30.19 | 6 (Order Lugs Separately) |
| Main Fusible Switches (1Ø Incoming and 1Ø Outgoing) Requires 300 Vac Class T Fuses (Order Separately) | | | | | | |
| 400 | OH/UG | 400 A, Al | — | EZM1400FS | 18.66 | (1) 1–600 or (2) 1–250 |
| 600 | OH/UG | 600 A, Al | — | EZM1600FS | 18.50 | (3) 3/0–500 |
| 600 | UG | 600 A, Al | — | EZM1600FSU | 20.46 | 2 (Order Lugs Separately) |
| 800 | OH/UG | 800 A, Al | — | EZM1800FS | 18.50 | (3) 3/0–500 |
| 800 | UG | 800 A, Al | — | EZM1800FSU | 20.46 | 2 (Order Lugs Separately) |
| 1200 | OH | 1200 A, Al | — | EZM11200FST | 23.69 | (4) 3/0–500 |
| 1200 | UG | 1200 A, Al | — | EZM11200FSB [10] | 23.69 | (4) 3/0–500 |
| Main Lug Terminal Boxes (1Ø Incoming and 1Ø Outgoing) | | | | | | |
| 225 | OH/UG | 800 A, Al | — | EZM1225TB [12] | 11.66 | (1) 4–300 |
| 400 | OH/UG | 800 A, Al | — | EZM1400TB [13] | 17.15 | (2) 3/0–500 |
| 600 | OH/UG | 800 A, Al | — | EZM1600TB [13] | 17.15 | (2) 1/0–750 or (4) 1/0–300 |
| 800 | OH/UG | 800 A, Al | — | EZM1800TB [13] | 18.66 | (4) 3/0–500 |
| 800 | OH/UG | 800 A, Cu | — | EZM1800TBCU [13] [14] | 24.08 | (4) 3/0–500 |
| 1600 | OH/UG | 1200 A, Al/Cu | — | EZM11600TB [13] [14] | 22.48 | (6) 1/0–600 or (12) 1/0–300 |
| 2000 | OH/UG | 1200 A, Cu | — | EZM12000TB [13] [11] | 30.19 | 6 (Order Lugs Separately) |
| Main Circuit Breaker (1Ø Incoming and 1Ø Outgoing) with Energy Reduction Maintenance (ERMS) | | | | | | |
| 1200 | UG | 1200 A, Al | EZM11200GCBUMS | EZM11200JCBUMS | 26.39 | (4) 3/0–500 |
| 1200 | OH | 1200 A, Cu | EZM11200GCBTMS | EZM11200JCBTMS | 23.69 | (4) 3/0–500 |
| 1600 | OH/UG | 1200 A, Cu | EZM11600GCBUMS | EZM11600JCBUMS | 30.19 | (6) 1/0–750 or (12) 1/0–250 |
| 1600 | UG | 1200 A, Al | EZM11600GCBUMS | EZM11600JCBUMS | 30.19 | 6 (Order Lugs Separately) |
| 2000 | OH/UG | 1200 A, Cu | EZM12000CBMS | — | 30.19 | (6) 1/0–750 or (12) 1/0–250 |
| 2000 | UG | 1200 A, Al | EZM12000CBUMS | — | 30.19 | 6 (Order Lugs Separately) |



EZM11200FST

[8] Does not meet EUSERC requirements.

[9] Ampere rating of the circuit breaker supplied with this device can be changed to a LOWER value in the field by changing the setting on the circuit breaker.

[10] For field installed Lug Landing Kit, order catalog number EZM1200ULL. Order lugs separately.

[11] Supplied with copper horizontal bus bars and aluminum vertical bus bars.

[12] 225 A terminal box supplied with isolated neutral that cannot be bonded NOT suitable for use on the LINE side of service equipment.

[13] Terminal box is suitable for use on LINE or LOAD side of service equipment. Supplied with isolated neutral and provided with neutral bonding kit for use as required. Refer to [page 2-11](#) for appropriate short circuit current ratings.

[14] Feed-thru lug kit available, see [page 2-21](#).

Table 2.18: 1Ø Main Devices, EUSERC

| Ampere Rating | Service Feed | Horizontal Cross Bus Rating and Bus Bar Material | Cat. No. | | Width (in.) | Factory-Installed Lug Landings for use with Crimp-Type Lugs (2-Hole Mounting) Qty. per Phase and Neutral, except non-EUSERC. [15] |
|---|--------------|--|-------------------|-------------------|-------------|---|
| Main Circuit Breakers (1Ø Incoming and 1Ø Outgoing)[15] | | | | | | |
| | | | 65 kA | 100 kA | | |
| 400 | UG | 400 A, Al | EZM1400CBU [16] | — | 20.46 | 1 (Order Lugs Separately) |
| 600 | UG | 600 A, Al | EZM1600CBU [16] | — | 26.19 | 2 (Order Lugs Separately) |
| 800 | UG | 800 A, Al | EZM1800CBU [16] | — | 26.19 | 2 (Order Lugs Separately) |
| 1000 | UG | 1200 A, Cu | EZM11000CBU [17] | — | 34.19 | 2 (Order Lugs Separately) |
| 1200 | UG | 1200 A, Al | EZM11200GCBE [18] | EZM11200JCBE [18] | 32.39 | 3 (Order Lugs Separately) |
| Main Fusible Switches (1Ø Incoming and 1Ø Outgoing) [15] Requires 300 Vac Class T Fuses (Order Separately) | | | | | | |
| 400 | UG | 400 A, Al | — | EZM1400FSU | 20.46 | 1 (Order Lugs Separately) |
| 600 | UG | 600 A, Al | — | EZM1600FSE | 18.36 | 2 (Order Lugs Separately) |
| 800 | UG | 800 A, Al | — | EZM1800FSE | 18.36 | 2 (Order Lugs Separately) |
| 1200 | UG | 1200 A, Al | — | EZM11200FSE | 32.39 | 3 (Order Lugs Separately) |
| Main Lug Terminal Boxes (1Ø Incoming and 1Ø Outgoing) | | | | | | |
| 400 | UG | 800 A, Al | — | EZM1400TBU [19] | 17.16 | 1 (Order Lugs Separately) |
| 800 | UG | 800 A, Al | — | EZM1800TBU [19] | 25.16 | 2 (Order Lugs Separately) |
| 1200 | UG | 1200 A, Al/Cu | — | EZM11200TBU [19] | 33.16 | 3 (Order Lugs Separately) |
| Main Circuit Breaker (1Ø Incoming and 1Ø Outgoing) with Energy Reduction Maintenance Switch (ERMS) | | | | | | |
| 1200 | UG | 1200 A, Al | EZM11200GCBEMS | EZM11200JCBEMS | 32.39 | 3 (Order Lugs Separately) |



EZM11200GCBE

[15] For mechanical lugs (3/0 AWG–600 kcmil) order kit CMEK4. Kit includes 4 lugs only. Multiple kits may be required, consult factory. For crimp-type lugs refer to Anderson Electrical Connector Products Catalog AEC-40R.

[16] Available by special order with main circuit breaker supplied with other standard ampere ratings, consult local Field Office (allow 6 weeks for delivery).

[17] Supplied with copper horizontal bus bars and aluminum vertical bus bars.

[18] Ampere rating of the circuit breaker supplied with this device can be changed to a LOWER value in the field by changing the setting on the circuit breaker.

[19] Terminal box is suitable for use on LINE or LOAD side of service equipment. Supplied with isolated neutral and provided with neutral bonding kit for use as required. Refer to page 2-11 for appropriate short circuit current ratings.

1 Phase Branch Devices—NEMA 3R Construction

Table 2.19: Branch Units—1Ø Incoming and 1Ø Outgoing

| System Type | Number of Meter Sockets | Horizontal Cross Bus Rating and Bus Bar Material | Ring Type 4-Jaw Meter Socket without Bypass [20] | | Ringless Type 5-Jaw Meter Socket without Bypass | | Ringless Type 5-Jaw Meter Socket with Horn Bypass | | Ringless Type 5-Jaw Meter Socket with Lever Bypass | |
|---|-------------------------|--|--|-----------------|---|-------------|---|-------------|--|-------------|
| | | | Cat. No | Width (in.) | Cat. No | Width (in.) | Cat. No | Width (in.) | Cat. No | Width (in.) |
| 125 A Maximum (Order Type QO, QO-VH or QOH Circuit Breakers Separately) [21][22] | | | | | | | | | | |
| 1Ø3W 120/240 Vac 2P Branch Circuit Breakers EZMH114125 | 3 | 800 A Al | EZM113125 [23] | 12.25 | EZMR113125 [23] | 12.25 | EZMH113125 [23] | 12.25 | EZML113125 [23] | 15.56 |
| | | 1200 A Cu | EZM113125CUX | | EZMR113125CUX | | EZMH113125CUX | | EZML113125CUX | |
| | 4 | 800 A Al | EZM114125 [23] | | EZMR114125 [23] | | EZMH114125 [23] | | EZML114125 [23] | |
| | | 1200 A Cu | EZM114125CUX | | EZMR114125CUX | | EZMH114125CUX | | EZML114125CUX | |
| | 5 | 800 A Al | EZM115125 [23] | | EZMR115125 [23] | | EZMH115125 [23] | | EZML115125 [23] | |
| | | 1200 A Cu | EZM115125CUX | | EZMR115125CUX | | EZMH115125CUX | | EZML115125CUX | |
| 6 | 800 A Al | EZM116125 [23] | EZMR116125 [23] | EZMH116125 [23] | EZML116125 [23] | | | | | |
| 1200 A Cu | EZM116125CUX | EZMR116125CUX | EZMH116125CUX | EZML116125CUX | | | | | | |
| 225 A Maximum Branch Units (Order Type QBP-TM, QDP-TM, QGP-TM or QJP-TM Circuit Breakers Separately) [24] | | | | | | | | | | |
| 1Ø3W 120/240 Vac 2P Branch Circuit Breakers EZMT111225 | 2 | 800 A Al | EZM112225 [23] | 17.38 | EZMR112225 [23] | 17.38 | EZMH112225 [23] | 17.38 | — | — |
| | | 1200 A Cu | EZM112225CUX | | EZMR112225CUX | | EZMH112225CUX | | — | — |
| | 3 | 800 A Al | EZM113225 [23] | | EZMR113225 [23] | | EZMH113225 [23] | | — | — |
| | | 1200 A Cu | EZM113225CUX | | EZMR113225CUX | | EZMH113225CUX | | — | — |
| | 4 | 800 A Al | EZM114225 [23] | | EZMR114225 [23] | | EZMH114225 [23] | | — | — |
| | | 1200 A Cu | EZM114225CUX | | EZMR114225CUX | | EZMH114225CUX | | — | — |
| 5 | 1200 A Al/Cu | EZM115225 | EZMR115225 | EZMH115225 | — | — | | | | |
| 1200 A Cu | EZM115225CU | EZMR115225CU | EZMH115225CU | — | — | | | | | |
| 6 | 1200 A Cu | EZM116225 | EZMR116225 | EZMH116225 | — | — | | | | |

Table 2.20: Branch Units—225 A Maximum Commercial
(Order Type QBP-TM, QDP-TM, QGP-TM or QJP-TM Circuit Breakers Separately) [25]

| System Type | Number of Meter Sockets | Horizontal Cross Bus Rating and Bus Bar Material | Ringless Type 5-Jaw Meter Socket with Lever Bypass and Jaw Release | | Ring Type 5-Jaw Meter Socket with Test Block Bypass. Meets EUSERC Requirements | |
|---|-------------------------|--|--|-------------|--|-------------|
| | | | Cat. No. | Width (in.) | Cat. No. | Width (in.) |
| 1Ø3W 120/240 Vac 2P Branch Circuit Breakers EZMT111225 EZML113225 | 1 | 1200 A Al/Cu | EZML11225 | 19.44 | EZMT111225 [26] | 22.42 |
| | | 1200 A Cu | EZML11225CU | | — | — |
| | | 1200 A Al/Cu | EZML11225D [27] | | — | — |
| | 2 | 1200 A Al/Cu | EZML112225 | 19.44 | EZMT112225 [26] | 22.42 |
| | | 1200 A Cu | EZML112225CU | | — | — |
| | | 1200 A Al/Cu | EZML11225D [27] | | — | — |
| | 3 | 1200 A Al/Cu | EZML113225 | 19.44 | EZMT113225 [26][28] | 22.42 |
| | | 1200 A Cu | EZML113225CU | | — | — |
| | | 1200 A Al/Cu | EZML113225D [27] | | — | — |
| | 4 | 1200 A Al/Cu | EZML114225 | 19.44 | — | — |
| | | 1200 A Cu | EZML114225CU | | — | — |
| | | 1200 A Al/Cu | EZML114225D [27] | | — | — |

Table 2.21: Branch Units—400 A Maximum Commercial

| System Type | Number of Meter Sockets | Main Cross Bus Rating and Bus Bar Material | Ringless Type 5-Jaw Meter Socket with Lever Bypass and Jaw Release. Includes Factory-Installed 400 A Type L.J.L. Circuit Breaker [29] [30] | | Ringless Type K Bolt-on 4-Jaw Meter Socket with Manual Bypass. Includes Factory-Installed 400 A Type L.J.L. Circuit Breaker [30] | |
|---|-------------------------|--|--|-------------|--|-------------|
| | | | Cat. No. | Width (in.) | Cat. No. | Width (in.) |
| 1Ø3W 120/240 Vac 2P Branch Circuit Breakers | 1 | 1200 A Cu | EZML111400 | 23.21 | EZMK111400 | 27.56 |
| | 2 | 1200 A Cu | EZML112400 | 23.21 | EZMK112400 | 27.56 |

[20] Snap-on aluminum sealing rings supplied as standard.
 [21] Supplied with removable drip hood and equipped with an indoor top endwall with knockouts provided.
 [22] Compatible with a branch terminal box accommodating a maximum conductor size of 300 kcmil when voltage drop calculations require sizes over 2/0, see Table 1.35: Accessories, page 2-21.
 [23] For 1200 A main cross bus add suffix "X" to catalog number (Example: EZM314125X). Allow 6 weeks for delivery.
 [24] Type QO, QO-VH and QOH branch circuit breakers (40–60 A) may be installed with use of EZM125QOA adapter kits, see page 2-21.
 [25] 2P Type QO (40–125 A, 10 kA max. meter center SCCR) or QO-VH and QO-H (40–60 A, 100 kA max. meter center SCCR) may be installed using EZM125QOA adapter kit, see page 2-21.
 [26] Supplied with bondable neutral, suitable for use as service equipment. Use main lugs terminal box type EZM-TBU for Six Disconnect Rule applications to feed this device. Supplied with copper horizontal bus bars and aluminum vertical bus bars.
 [27] Supplied with removable drip hood and equipped with an indoor top endwall with knockouts provided.
 [28] Does not meet EUSERC 48 in. minimum / 75 in. maximum meter height requirements for outdoor installations. The bottom meter socket is 37 inches above ground when the device is mounted with the top meter socket at 75 inches above ground. EUSERC indoor requirements are 36 in. minimum / 75 in. maximum.
 [29] Supplied with Class 320 lever bypass meter socket. Utilizes anti-inversion clip kit MMLRK, if required, refer to page 2-21.
 [30] L.J.L. circuit breaker has adjustable trip settings from 125-400 A. Use seal kit MICROTUSEAL, if required. L.J.L. circuit breaker terminal lug kit factory-installed and accommodates (2) 2/0-500 kcmil Cu-Al per phase. Alternate lug kit AL400L61K3 for L.J.L. circuit breaker is available, see page 2-21.

3Ø4W 208Y/120 Vac or 240/120 Vac Delta EZ Meter-Pak™ Meter Centers—3Ø Indoor/Rainproof, UL Listed

1200 A Main CB/Fusible Switch Devices come Standard with 2-STEP Removable Service Entrance Endwalls

Select EZM meter center short circuit current rating from Table 2.16. Using this table as a reference, make the following selections:

1. Select 3Ø EZM main device below with an equal or higher short circuit rating than the application from Table 2.22 and Table 2.23.
2. Select EZM 3Ø branch units from , Table 2.25, and Table 2.26.
3. Select proper 2P type QO, QO-VH, QOH, QBP-TM, QDP-TM, QGP-TM or QJP-TM or 3P QBP-TM, QDP-TM, QGP-TM or QJP-TM branch circuit breakers for use as tenant mains in branch unit; from Table 2.33 and Table 2.34.
4. Select accessories as required, from page 2-21.
5. Dimensions see page 2-22.

3 Phase Main Devices—NEMA 3R Construction

Table 2.22: 3Ø Main Devices


| Ampere Rating | Service Feed | Horizontal Cross Bus Rating and Bus Bar Material | Cat. No. [31] | | Width (in.) | Factory-Installed Line Side Lug (Conductors per Phase and Neutral) Wire Size (AWG-kcmil) |
|--|--------------|--|------------------------|---------------------------|-------------|--|
| Main Circuit Breakers (3Ø Incoming and 3Ø Outgoing) | | | | | | |
| 65 kA Short Circuit Current Rating (400–1600 A Max.), 100 kA Short Circuit Current Rating (2000 A Max.) | | | | | | |
| Short Circuit Rating | | | 65 kA | 100 kA | | |
| 400 | OH/UG | 400 A, Al | EZM3400CB | — | 18.66 | (1) 1–600 or (2) 1–250 |
| 600 | OH/UG | 600 A, Al | EZM3600CB | — | 18.66 | (3) 3/0–500 |
| 800 | OH/UG | 800 A, Al | EZM3800CB | — | 18.66 | (3) 3/0–500 |
| 1000 | OH/UG | 1200 A, Al | EZM31000CB | — | 18.66 | (3) 3/0–500 |
| 1200 | OH | 1200 A, Al | EZM31200GCBT [32] | EZM31200JCBT [32] | 23.69 | (4) 3/0-500 |
| 1200 | UG | 1200 A, Al | EZM31200GCBU [33] [32] | EZM31200JCBU [33] [32] | 23.69 | (4) 3/0-500 |
| 1600 | OH/UG | 1200 A, Al/Cu | EZM31600GCBC [32] [34] | EZM31600JCBC [32] [34] | 30.19 | (6) 1/0–750 or (12) 1/0–250 |
| 1600 | UG | 1200 A, Al/Cu | EZM31600GCBU [32] [34] | EZM31600JCBU [32] [34] | 30.19 | 6 (Order Lugs Separately) |
| 2000 | OH/UG | 1200 A, Al/Cu | — | EZM32000CB [34] | 30.19 | (6) 1/0–750 or (12) 1/0–250 |
| 2000 | UG | 1200 A, Al/Cu | — | EZM32000CBU [34] | 30.19 | 6 (Order Lugs Separately) |
| Main Fusible Switches (3Ø Incoming and 3Ø Outgoing) Requires 300 Vac Class T Fuses (Order Separately) | | | | | | |
| 400 | OH/UG | 400 A, Al | — | EZM3400FS | 18.66 | (1) 1–600 or (2) 1–250 |
| 600 | OH/UG | 600 A, Al | — | EZM3600FS | 18.66 | (3) 3/0–500 |
| 800 | OH/UG | 800 A, Al | — | EZM3800FS | 18.66 | (3) 3/0–500 |
| 1200 | OH | 1200 A, Al | — | EZM31200FST | 23.69 | (4) 3/0–500 |
| 1200 | UG | 1200 A, Al | — | EZM31200FSB [37] | 23.69 | (4) 3/0-500 |
| Main Lug Terminal Boxes (3Ø Incoming and 3Ø Outgoing) | | | | | | |
| 225 | OH/UG | 800 A, Al | — | EZM3225TB [35] | 11.66 | (1) 4–300 |
| 400 | OH/UG | 800 A, Al | — | EZM3400TB [36] | 17.15 | (2) 3/0–500 |
| 600 | OH/UG | 800 A, Al | — | EZM3600TB [36] | 17.15 | (2) 1/0–750 or (4) 1/0–300 |
| 800 | OH/UG | 800 A, Al | — | EZM3800TB [36] | 18.66 | (4) 3/0–500 |
| 800 | OH/UG | 800 A, Cu | — | EZM3800TBCU [36] [37] | 24.08 | (4) 3/0–500 |
| 1600 | OH/UG | 1200 A, Al/Cu | — | EZM31600TB [34] [37] [36] | 22.48 | (6) 1/0-600 or (12) 1/0-300 |
| 2000 | OH/UG | 1200 A, Cu | — | EZM32000TB [36] | 30.19 | 6 (Order Lugs Separately) |
| Main Circuit Breakers (3Ø Incoming and 3Ø Outgoing) with Energy Reduction Maintenance Switch (ERMS) | | | | | | |
| 1200 | OH | 1200 A, Cu | EZM31200GCBTMS | EZM31200JCBTMS | 23.69 | (4) 3/0–500 |
| 1200 | UG | 1200 A, Cu | EZM31200GCBUMS | EZM31200JCBUMS | 23.69 | (4) 3/0–500 |
| 1600 | OH/UG | 1200 A, Cu | EZM31600GCBCMS | EZM31600JCBCMS | 30.19 | (6) 1/0–750 or (12) 1/0–250 |
| 1600 | UG | 1200 A, Cu | EZM31600GCBUMS | EZM31600JCBUMS | 30.19 | 6 (Order Lugs Separately) |
| 2000 | OH/UG | 1200 A, Cu | EZM32000CBMS | — | 30.19 | (6) 1/0–750 or (12) 1/0–250 |
| 2000 | UG | 1200 A, Cu | EZM32000CBUMS | — | 30.19 | 6 (Order Lugs Separately) |



[31] Does not meet EUSERC requirements.
 [32] Ampere rating of the circuit breaker supplied with this device can be changed to a LOWER value in the field by changing the setting on the circuit breaker.
 [33] For field installed Lug Landing Kit order catalog number EZM1200ULL.
 [34] Supplied with copper horizontal bus bars and aluminum vertical bus bars.
 [35] 225 A terminal box supplied with isolated neutral that cannot be bonded.
 [36] Terminal box is suitable for use on LINE or LOAD side of service equipment. Supplied with isolated neutral and provided with neutral bonding kit for use as required. Refer to page 2-11 for appropriate short circuit current ratings.
 [37] Feed-thru lug kit available, see Table 2.35

METERING EQUIPMENT

Table 2.23: 3Ø Main Devices, EUSERC

| | Ampere Rating | Service Feed | Horizontal Cross Bus Rating and Bus Bar Material | Cat. No. | | Width (in.) | Factory-Installed Lug Landings For use with Crimp-Type Lugs (2-Hole Mounting) Qty. per Phase and Neutral, except non-EUSERC device. [38] |
|---|--|--------------|--|-------------------|-------------------|---------------------------|--|
|  EZM31200GCBEMS | Main Circuit Breakers (3Ø Incoming and 3Ø Outgoing) | | | | | | |
| | Short Circuit Rating | | | 65 kA | 100 kA | | |
| | 400 | UG | 400 A, Al | EZM3400CBU [39] | — | 20.46 | 1 (Order Lugs Separately) |
| | 600 | UG | 600 A, Al | EZM3600CBU [39] | — | 26.19 | 2 (Order Lugs Separately) |
| | 800 | UG | 800 A, Al | EZM3800CBU [39] | — | 26.19 | 2 (Order Lugs Separately) |
| | 1000 | UG | 1200 A, Cu | EZM31000CBU | — | 34.19 | 3 (Order Lugs Separately) |
| | 1200 | UG | 1200 A, Al | EZM31200GCBE [40] | EZM31200JCBE [40] | 32.39 | 3 (Order Lugs Separately) |
| | Main Fusible Switches (3Ø Incoming and 3Ø Outgoing) Requires 300 Vac Class T Fuses (Order Separately) | | | | | | |
| | 400 | UG | 400 A, Al | — | EZM3400FSU | 20.46 | 1 (Order Lugs Separately) |
| | 600 | UG | 600 A, Al | — | EZM3600FSU | 26.19 | 2 (Order Lugs Separately) |
| | 800 | UG | 800 A, Al | — | EZM3800FSU | 26.19 | 2 (Order Lugs Separately) |
| | 1200 | UG | 1200 A, Al | — | EZM31200FSE | 32.39 | 3 (Order Lugs Separately) |
| | Main Lugs Terminal Boxes (3Ø Incoming and 3Ø Outgoing) | | | | | | |
| | 400 | UG | 400 A, Al | — | EZM3400TBU [41] | 17.16 | 1 (Order Lugs Separately) |
| | 800 | UG | 800 A, Al | — | EZM3800TBU [41] | 25.16 | 2 (Order Lugs Separately) |
| | 1200 | UG | 1200 A, Cu | — | EZM31200TBU [41] | 33.16 | 3 (Order Lugs Separately) |
| Main Circuit Breaker (3Ø Incoming and 3Ø Outgoing) with Energy reduction Maintenance Switch (ERMS) | | | | | | | |
| 1200 | UG | 1200 A, Cu | EZM31200GCBEMS | EZM31200JCBEMS | 32.39 | 3 (Order Lugs Separately) | |

[38] For mechanical lugs (3/0 AWG–600 kcmil) order kit CMEK4. Kit includes 4 lugs only. Multiple kits may be required, consult factory. For crimp-type lugs refer to Anderson Electrical Connector Products Catalog AEC-40R.

[39] Available by special order with main circuit breaker supplied with other standard ampere ratings, consult your nearest Field Sales Office (allow 6 weeks for delivery).

[40] Ampere rating of the circuit breaker supplied with this device can be changed to a LOWER value in the field by changing the setting on the circuit breaker.



[41] Terminal box is suitable for use on LINE or LOAD side of service equipment. Supplied with isolated neutral and provided with neutral bonding kit for use as required. Refer to page 2-11 for appropriate short circuit current ratings.

3 Phase Branch Devices—NEMA 3R Construction

Table 2.24: Branch Units—3Ø Incoming and 1Ø Outgoing

| System Type | Number of Meter Sockets | Horizontal Cross Bus Rating [42] and Bus Bar Material | Ring Type 5-Jaw Meter Socket without Bypass [43] | | Ringless Type 5-Jaw Meter Socket without Bypass | | Ringless Type 5-Jaw Meter Socket with Horn Bypass | | Ringless Type 5-Jaw Meter Socket with Lever Bypass | | | | | |
|--|-------------------------|---|--|-------------|---|-------------|---|-------------|--|-------------|---|---|---|---|
| | | | Cat. No | Width (in.) | Cat. No | Width (in.) | Cat. No | Width (in.) | Cat. No | Width (in.) | | | | |
| 125 A Maximum (Order Type QO, QO-VH or QO-H Circuit Breakers Separately) [44] [45] | | | | | | | | | | | | | | |
| 3Ø4W 208Y/120 Vac 5-Jaw-Meter Socket 2P Branch Circuit Breakers | 3 | 800 A Al | EZM313125 [42] | 12.25 | EZMR313125 [42] | 12.25 | EZMH313125 [42] | 12.25 | EZML313125 [42] | 15.56 | | | | |
| | | 800 A Al | EZM313125M10 [46] | | — | | — | | — | | | | | |
| | | 1200 A Cu | EZM313125CUX | | EZMR313125CUX | | EZMH313125CUX | | EZML313125CUX | | | | | |
| | 4 | 800 A Al | EZM314125 [42] | | EZMR314125 [42] | | EZMH314125 [42] | | EZML314125 [42] | | | | | |
| | | 800 A Al | EZM314125M10 [46] | | — | | — | | — | | | | | |
| | | 1200 A Cu | EZM314125CUX | | EZMR314125CUX | | EZMH314125CUX | | EZML314125CUX | | | | | |
| | 5 | 800 A Al | EZM315125 [42] | | EZMR315125 [42] | | EZMH315125 [42] | | EZML315125 [42] | | | | | |
| | | 800 A Al | EZM315125M10 [46] | | — | | — | | — | | | | | |
| | | 1200 A Cu | EZM315125CUX | | EZMR315125CUX | | EZMH315125CUX | | EZML315125CUX | | | | | |
| | 6 | 800 A Al | EZM316125 [42] | | EZMR316125 [42] | | EZMH316125 [42] | | EZML316125 [42] | | | | | |
| | | 800 A Al | EZM316125M10 [46] | | — | | — | | — | | | | | |
| | | 1200 A Cu | EZM316125CUX | | EZMR316125CUX | | EZMH316125CUX | | EZML316125CUX | | | | | |
| 225 A Maximum (Order Type QBP-TM, QDP-TM, QGP-TM or QJP-TM Circuit Breakers Separately) [47] | | | | | | | | | | | | | | |
| 3Ø4W 208Y/120 Vac 5-Jaw-Meter Socket 2P Branch Circuit Breakers | 2 | 800 A Al | EZM312225 [42] | 17.38 | EZMR312225 [42] | 17.38 | EZMH312225 [42] | 17.38 | — | — | | | | |
| | | 1200 A Cu | EZM312225CUX | | EZMR312225CUX | | EZMH312225CUX | | — | | | | | |
| | 3 | 800 A Al | EZM313225 [42] | | EZMR313225 [42] | | EZMH313225 [42] | | — | | | | | |
| | | 1200 A Cu | EZM313225CUX | | EZMR313225CUX | | EZMH313225CUX | | — | | | | | |
| | 4 | 800 A Al | EZM314225 [42] | | EZMR314225 [42] | | EZMH314225 [42] | | — | | | | | |
| | | 1200 A Cu | EZM314225CUX | | EZMR314225CUX | | EZMH314225CUX | | — | | | | | |
| | 5 | 1200 A Al/Cu | EZM315225 | | EZMR315225 | | EZMH315225 | | — | | | | | |
| | | 1200 A Cu | EZM315225CU | | EZMR315225CU | | EZMH315225CU | | — | | | | | |
| | 6 | 1200 A Al/Cu | EZM316225 | | EZMR316225 | | EZMH316225 | | — | | | | | |
| | | 1200 A Cu | EZM316225CU | | EZMR316225CU | | EZMH316225CU | | — | | | | | |
| | | | 1200 A Al/Cu | | EZM316225CA | | EZMR316225CA | | EZMH316225CA | | — | — | — | — |

Table 2.25: Branch Units—225 A Maximum Commercial

| System Type | Number of Meter Sockets | Horizontal Cross Bus Rating and Bus Bar Material | Ringless Type Meter Socket without Bypass | | Ringless Type Meter Socket with Lever Bypass and Jaw Release | | Ring Type Meter Socket with Test Block Bypass. Meets EUSERC Requirements | |
|--|-------------------------|--|---|-------------|--|-------------|--|-------------|
| | | | Cat. No. | Width (in.) | Cat. No. | Width (in.) | Cat. No. | Width (in.) |
| 3Ø Incoming and 1Ø Outgoing [48] (Order Type QBP-TM, QDP-TM, QGP-TM or QJP-TM circuit breakers separately) [49] | | | | | | | | |
|  3Ø4W 208Y/120 Vac 5-Jaw Meter Sockets 2P Branch Circuit Breakers  EZM311225 Without Cover | 1 | 1200 A Al/Cu | — | — | — | — | EZMT311225 [50] | 22.42 |
| | | 1200 A Al/Cu | — | — | EZML312225 | — | EZMT312225 [50] | 22.42 |
| | | 1200 A Cu | — | — | EZML312225CU | 19.44 | — | — |
| | | 1200 A Al/Cu | — | — | EZML312225D [44] | — | — | — |
| | | 1200 A Al/Cu | — | — | EZML313225 | — | EZMT313225 [50][51] | 22.42 |
| | | 1200 A Cu | — | — | EZML313225CU | 19.44 | — | — |
| | 2 | 1200 A Al/Cu | — | — | EZML313225D [44] | — | — | — |
| | | 1200 A Al/Cu | — | — | EZML314225 | — | — | — |
| | | 1200 A Cu | — | — | EZML314225CU | 19.44 | — | — |
| | | 1200 A Al/Cu | — | — | EZML314225D [44] | — | — | — |
| | | 1200 A Al/Cu | — | — | EZML314225D [44] | — | — | — |
| | | 1200 A Al/Cu | — | — | EZML314225D [44] | — | — | — |
| 3Ø Incoming and 3Ø Outgoing (Order QBP-TM, QDP-TM, QGP-TM or QJP-TM circuit breakers separately, see [49]) | | | | | | | | |
| 3Ø4W 240/120 Vac Delta or 208Y/120 Vac 7-Jaw Meter Socket 3P Branch Circuit Breakers | 1 | 1200 A Al/Cu | — | — | EZML331225 | 19.44 | EZMT331225 [50] | 22.42 |
| | | 1200 A Cu | — | — | EZML331225CU | | — | — |
| | 2 | 1200 A Al/Cu | — | — | EZML331225D [44] | — | — | — |
| | | 1200 A Al/Cu | EZMR332225 | 19.44 | EZML332225 | 19.44 | EZMT332225 [50] | 22.42 |
| | 3 | 1200 A Cu | EZMR332225CU | 19.44 | EZML332225CU | 19.44 | — | — |
| | | 1200 A Al/Cu | — | — | EZML332225D [44] | — | — | — |
| | 4 | 1200 A Al/Cu | EZMR333225 | 19.44 | EZML333225 | 19.44 | EZMT333225 [50][51] | 22.42 |
| | | 1200 A Cu | EZMR333225CU | 19.44 | EZML333225CU | 19.44 | — | — |
| | 5 | 1200 A Al/Cu | — | — | EZML333225D [44] | — | — | — |
| | | 1200 A Al/Cu | EZMR334225 | 19.44 | EZML334225 | 19.44 | — | — |
| | 6 | 1200 A Cu | EZMR334225CU | 19.44 | EZML334225CU | 19.44 | — | — |
| | | 1200 A Al/Cu | — | — | EZML334225D [44] | — | — | — |

[42] For 1200 A main cross bus, add suffix "X" to catalog number. Example: EZMR313125X.. Allow 6 weeks for delivery.
 [43] Snap-On aluminum sealing rings supplied as standard.
 [44] Supplied with removable drip hood and equipped with an indoor top endwall with knockouts provided.
 [45] Compatible with a branch terminal box accommodating a maximum conductor size of 300 kcmil when voltage drop calculations require sizes over 2/0, see Table 1.35: Accessories, page 2-21.
 [46] Distance between meter sockets as measured from centerline to centerline is 10 inches.
 [47] 2P Type QO (40–125 A, 10 kA max. meter center SCCR) or QO-VH and QO-H (40–60 A, 100 kA max. meter center SCCR) may be installed using EZM125QOA adapter kit, see page 2-21.
 [48] For 240/120 Vac Delta Systems add Suffix "CA" to catalog number (Example: EZM314125CA). All meter sockets are phased A and C only. Price remains the same as the base catalog number. Order only branch units, not stocked in PDS (6-week delivery).
 [49] 2P Type QO (40–125 A, 10 kA max. meter center SCCR) or QO-VH and QO-H (40–60 A, 100 kA max. meter center SCCR) may be installed using EZM125QOA adapter kit, refer to .
 [50] Supplied with bondable neutral, suitable for use as service equipment. Use main lugs terminal box type EZM-TBU for Six Disconnect Rule applications to feed this device. Supplied with copper horizontal bus bars and aluminum vertical bus bars.
 [51] Does not meet EUSERC 48 in. minimum / 75 in. maximum meter height requirements for outdoor installations. The bottom meter socket is 37 inches above ground when the device is mounted with the top meter socket at 75 inches above ground. EUSERC indoor requirements are 36 in. minimum / 75 in. maximum.
 For 400 A maximum Commercial Branch Units, see page 2-18.

METERING EQUIPMENT 2



EZMK311400

Table 2.26: Branch Units—400 A Maximum Commercial

| System Type | Number of Meter Sockets | Horizontal Cross Bus Rating | Ringless Type Meter Socket with Lever Bypass and Jaw Release—Includes Factory-Installed 400 A Type LJL Circuit Breaker. [52], [53] | | Ringless Type K Bolt-on Meter Socket with Manual Bypass—Includes Factory-Installed 400 A Type LJL Circuit Breaker. [53] | |
|---|-------------------------|-----------------------------|--|-------------|---|-------------|
| | | | Cat. No. | Width (in.) | Cat. No. | Width (in.) |
| 3Ø Incoming and 1Ø Outgoing [54] | | | | | | |
| 3Ø4W 208Y/120 Vac 5-Jaw Meter Socket 2P Circuit Breakers | 1 | 1200 A Cu | EZML311400 | 23.21 | EZMK311400 | 27.56 |
| | 2 | 1200 A Cu | EZML312400 | 23.21 | EZMK312400 | 27.56 |
| 3Ø Incoming and 3Ø Outgoing | | | | | | |
| 3Ø4W 240/120 Vac Delta or 208Y/120 Vac 7-Jaw Meter Socket 3P Circuit Breakers | 1 | 1200 A Cu | EZML331400 | 23.21 | EZMK331400 | 27.56 |
| | 2 | 1200 A Cu | EZML332400 | 23.21 | EZMK332400 | 27.56 |

3Ø–1Ø OUT EZM Branch Unit Phase Balancing Flexibility

The major benefit of factory phase balancing is that most jobs will not require field phase balancing. To see if meter socket phase balancing in the field is required (refer to wiring diagram for complete instructions):

- A. Determine if the load in amperes on each phase of the transformer using handle rating of tenant circuit breakers installed at each number of meter sockets. Use Phase Balancing Chart to determine total number of connections each meter socket makes on each phase of transformer.
- B. If phase balancing is required, determine which meter sockets should be changed to properly phase balance metering equipment lineup.
- C. Once meter socket(s) is selected to be phase balanced, remove individual meter socket cover from each meter socket to be phase balanced. The vertical bus bars running top to bottom in the branch unit behind each meter socket are phased: **AØ, BØ, CØ, left to right.**
- D. By moving only the line side meter socket “Z” shaped connectors per meter socket to be changed, phase balancing can easily be accomplished on-site:

| Starting Position | can be changed to | Possible Ending Position (By moving only one “Z” connector) |
|-------------------|-------------------|---|
| AØ and BØ | can be changed to | AØ and CØ |
| AØ and CØ | can be changed to | AØ and BØ or BØ and CØ |
| BØ and CØ | can be changed to | AØ and CØ |

Table 2.27: Example: To change an AØ and CØ meter socket to a BØ and CØ socket

| | | |
|--|--|---|
| <p>Starting Position Meter Socket Phasing: AØ and CØ</p> | <p>Step 2: Loosen hex nut from AØ line side meter socket jaw and slide “Z” connector down to free connector from stud.</p> | <p>Step 1: Remove hex nut from AØ line side connection to vertical bus.</p> |
| <p>Step 3: Rotate “Z” connector to right and align with stud on BØ vertical bus.</p> | <p>Step 4: Slide “Z” connector up to engage stud on BØ vertical bus. Torque hex nut of meter socket jaw to 75 lb-in (8 N·m).</p> | <p>Step 6: Replace hex nut (removed in Step 1) onto stud of BØ vertical bus and torque to 75 lb-in (9 N·m). Phase balancing of meter socket is complete: BØ and CØ.</p> |

[52] Supplied with Class 320 lever bypass meter socket. Use anti-inversion clip kit, catalog number MMLRK, if required. See page 2-21.

[53] LJL circuit breaker has adjustable trip settings from 125-400 A. Use seal kit MICROTUSEAL, if required. LJL circuit breaker terminal lug kit factory-installed and accommodates (2) 2/0-500 kcmil Cu-Al per phase. Alternate lug kit AL400L61K3 for LJL circuit breaker is available, see page 2-21.

[54] For 240/120 Vac Delta Systems add Suffix “CA” to catalog number (Example: EZML312400CA). All meter sockets are phased A and C only. Price remains the same as the base catalog number. “Order only” branch units, not stocked in PDS (4–6 week delivery). Order point Lexington.

EZM Main with Busway Side Tap

EZ Meter-Pak metering equipment is available for use in high rise applications for connection to 800–5000 A I-Line™ or I-Line II plug-in busway installed as a vertical riser. Three phase only EZM main devices in the form of a main circuit breaker or main fusible switch are available with an integral busway tap extending from the right or left side of the main device and phased to align with the busway for either neutral front or neutral back installations.

Busway Mains, 3Ø only (Indoor only) ordering instructions:

- Step 1: Determine height to center line of busway plug-in opening, check local utility requirements for minimum and maximum meter socket heights.
- Step 2: Determine side of EZM main section for busway tap to extend from (busway tap is an integral part of the main and extends to the left or right on the EZM device as viewed from the front).
- Step 3: Check phasing of busway riser to insure that it matches phasing of busway tap on main section (indicated as neutral front or neutral back as viewed from the front).
- Step 4: Select Cat. No. from tables below.
- Step 5: Busway main devices are build to order specials and require 4 to 6 weeks for delivery.

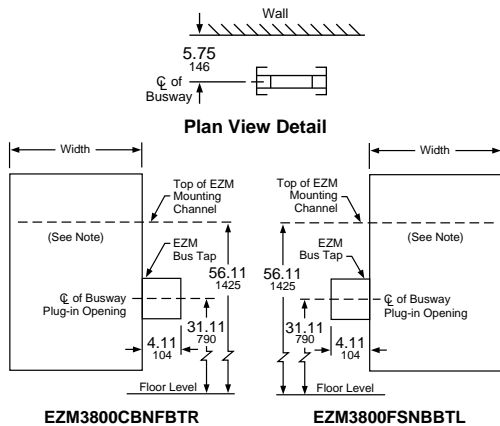


Table 2.28: EZM Busway Side Tap Mains Devices

| Number Segment | Character | Description | EZM | 3 | 800 | CB | NF | BTR |
|------------------|-----------|--------------------------------|-----|---|-----|----|----|-----|
| Device Name | EZM | EZ Meter-Pak Meter Center | | | | | | |
| Service Feed | 3 | 3Ph, 4W | | | | | | |
| Mains Rating | 400 A | | | | | | | |
| | 600 A | | | | | | | |
| | 800 A | | | | | | | |
| | 1000 A | | | | | | | |
| | 1200 A | | | | | | | |
| Main Type | CB | Main Circuit Breaker | | | | | | |
| | FS | Main Fusible Switch | | | | | | |
| | GB | Main Circuit Breaker (65 kAIC) | | | | | | |
| | JB | Main Circuit Breaker (100KAIC) | | | | | | |
| Neutral Position | NF | Neutral Front | | | | | | |
| | NB | Neutral Back | | | | | | |
| Bus Tap Location | BTL | Bus Tap Left | | | | | | |
| | BTR | Bus Tap Right | | | | | | |

This table is for interpreting existing part numbers only. All possible combinations are not available.

Table 2.29: 1200 A EZM Mains with Busway Side Tap (Three Phase Only—Note positioning left or right below)

| Ampere Rating | Width (in.) | Horizontal Cross Bus Rating | Busway to LEFT of EZM Metering Equipment Lineup | | Busway to RIGHT of EZM Metering Equipment Lineup | |
|--|-------------|-----------------------------|---|----------------------|--|----------------------|
| | | | Neutral Front | Neutral Back | Neutral Front | Neutral Back |
| Main Circuit Breaker with Busway Tap | | | | | | |
| 65,000 RMS Symmetrical Amperes Maximum Short Circuit Current Rating | | | | | | |
| 400 | 18.66 | 400 A Al | EZM3400CBNFBTL | EZM3400CBNFBTR | EZM3400CBNBBTL | EZM3400CBNBBTR |
| 600 | 18.66 | 600 A Al | EZM3600CBNFBTL | EZM3600CBNFBTR | EZM3600CBNBBTL | EZM3600CBNBBTR |
| 800 | 18.66 | 800 A Al | EZM3800CBNFBTL | EZM3800CBNFBTR | EZM3800CBNBBTL | EZM3800CBNBBTR |
| 1000 | 18.66 | 1000 A Al | EZM31000CBNFBTL [55] | EZM31000CBNFBTR [55] | EZM31000CBNBBTL [55] | EZM31000CBNBBTR [55] |
| 1200 | 23.36 | 1200 A Cu | EZM31200GBNFBTL [55] | EZM31200GBNFBTR [55] | EZM31200GBNBBTL [55] | EZM31200GBNBBTR [55] |
| 100,000 RMS Symmetrical Amperes Maximum Short Circuit Current Rating | | | | | | |
| 1200 | 23.36 | 1200 A Cu | EZM31200JBNFBTL [55] | EZM31200JBNFBTR [55] | EZM31200JBNBBTL [55] | EZM31200JBNBBTR [55] |
| Main Fusible Switch with Busway Tap Requires Class T (300 Vac) Fuses - Order Separately | | | | | | |
| 100,000 RMS Symmetrical Amperes Maximum Short Circuit Current Rating | | | | | | |
| 400 | 18.66 | 400 A Al | EZM3400FSNFBTL | EZM3400FSNFBTR | EZM3400FSNBBTL | EZM3400FSNBBTR |
| 600 | 18.66 | 600 A Al | EZM3600FSNFBTL | EZM3600FSNFBTR | EZM3600FSNBBTL | EZM3600FSNBBTR |
| 800 | 18.66 | 800 A Al | EZM3800FSNFBTL | EZM3800FSNFBTR | EZM3800FSNBBTL | EZM3800FSNBBTR |
| 1200 | 22.36 | 1200 A Cu | EZM31200FSNFBTL [55] | EZM31200FSNFBTR [55] | EZM31200FSNBBTL [55] | EZM31200FSNBBTR [55] |

NOTE: Dimensions shown position the centerline of top meter socket of a 125 A, 5-Gang or 6-Gang branch unit at 72" above floor level. Check with utility to meet local requirements.

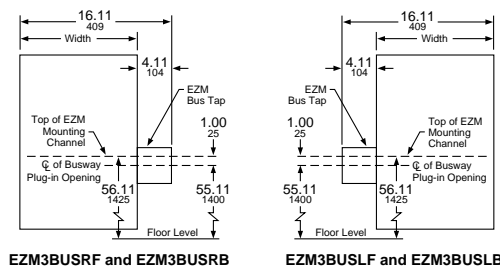
Busway Transition Section

EZM busway transition section provides no overcurrent protection for the downstream EZM branch units.

Tenant main circuit breakers in these branch units must be selected as "fully rated" equipment. (Examples: QO for 10 kA, QO-VH for 22 kA or QOH for 42 kA.)

Table 2.30: EZM Busway Transition Sections (3Ø only)

| Ampere Rating | I-Line™ Busway location | Neutral Front | Neutral Back | Width (in.) |
|---------------|---------------------------------|---------------|--------------|-------------|
| 1200 | RIGHT of EZM Transition Section | EZM3BUSRF | EZM3BUSRB | 12.00 |
| 1200 | LEFT of EZM Transition Section | EZM3BUSLF | EZM3BUSLB | 12.00 |



[55] Requires use of branch units supplied with 1200 A horizontal cross bus.



EZM Main with Center-Mounted Busway Tap

The EZM Main with center-mounted busway tap is a space-saving design for high rise applications that is installed as an integral component of the vertical riser busway and allows standard EZM branches to be mounted from both sides. See online digest updates for availability or contact your local field sales office for additional information

EZM Busway Center Tap Mains

The EZM Busway Center Tap mains offer provides a convenient space saving method for connecting EZM Branch Meter sections to I-Line II Busway in vertical riser applications. The mains are connected "inline" with the Busway column conserving precious electrical room space.

1. The Part Number Coding Table is to be used for interpreting existing part numbers only. All possible combinations are not available. Please contact product support for additional references needed.
2. Outgoing Feeder Bus Joint-Pak is included with each EZM CTM Section.
3. EZM Horizontal Cross Bus is 1200 A Copper Only
4. Busway Center Tap Mains are fully NEMA 3R Rated.
5. Mains Devices are fully sealable by utility.
6. EZM Branch units are installed using the mounting kit - EZMCTMKIT.
7. Short circuit current rating = 150,000 symmetrical amps.
8. EZM CTM is configured for neutral front only (G-> N-> C-> B->A-> G) as viewed front to rear.
9. Compatible with I-LINE II Busway rated 2000–5000 A.
10. Includes factory installed PowerPact M- and P-frame Circuit Breakers and Switches (Rated 600–1200 A.)
11. Fully compatible with all standard EZ Meter-Pak Branch Devices and Extenders.

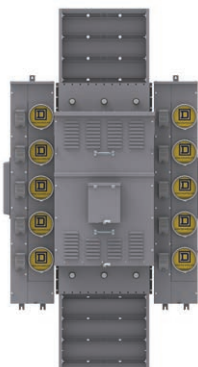
Table 2.31: Part Number Coding

| Number Segment | Character | Description | EZM | 3 | 1000 | JCB | C | 20 |
|---|-----------|----------------------------|-----|---|------|-----|---|----|
| Device Name | EZM | EZM Busway Center Tap Main | | | | | | |
| System Connection (Phase Order: Front to Back) | 3 | 3 Phase (N, C, B, A) | | | | | | |
| Maximum Current of Main Service Disconnect | 600 | 600 A | | | | | | |
| | 800 | 800 A | | | | | | |
| | 1000 | 1000 A | | | | | | |
| | 1200 | 1200 A | | | | | | |
| Type of Main Service Disconnect (with AIC Rating) | GCB | 65 kAIC Circuit Breaker | | | | | | |
| | JCB | 100 kAIC Circuit Breaker | | | | | | |
| | FS | 100 kAIC Fused Switch | | | | | | |
| Material of I-Line II | C | Copper | | | | | | |
| | A | Aluminum | | | | | | |
| Amperage of I-Line II | 20 | 2000 A | | | | | | |
| | 25 | 2500 A | | | | | | |
| | 30 | 3000 A | | | | | | |
| | 32 | 3200 A | | | | | | |
| | 40 | 4000 A | | | | | | |
| | 50 | 5000 A | | | | | | |

This table is for interpreting existing part numbers only. All possible combinations are not available.

Table 2.32: EZM Busway Center Tap Mains

| | Main CB Ampere Rating (A) | I-Line II Busway Rating Material | Cat. No. | Height (in.) | Width (in.) | Depth (in.) | MC Height (in.) |
|--|---------------------------|----------------------------------|----------------|--------------|-------------|-------------|-----------------|
| Main Circuit Breakers (3Ø Incoming and 3Ø Outgoing) | | | | | | | |
| | | SCCR | 65 kA | | | | |
| | | | 100 kA | | | | |
| 600 | 2000A, Al | — | EZM3600JCBA20 | 43.08 | 22.70 | 14.78 | 56.11 |
| | 3000A, Al | — | EZM3600JCBA30 | 43.08 | 22.70 | 14.78 | 56.11 |
| | 4000A, Al | — | EZM3600JCBA40 | 43.08 | 27.96 | 14.78 | 56.11 |
| | 4000A, Al | EZM3600GCBA40 | — | 43.08 | 27.96 | 14.78 | 56.11 |
| 800 | 4000A, Cu | EZM3600GCBC40 | — | 43.08 | 27.96 | 14.78 | 56.11 |
| | 2000A, Al | EZM3800GCBA20 | — | 43.08 | 22.70 | 14.78 | 56.11 |
| | 3000A, Al | EZM31200GCBA30 | — | 43.08 | 22.70 | 14.78 | 56.11 |
| | 3000A, Al | EZM3800GCBA30 | — | 43.08 | 22.70 | 14.78 | 56.11 |
| 1000 | 3000A, Cu | EZM3800GCBC30 | — | 43.08 | 22.70 | 14.78 | 56.11 |
| | 3000A, Al | — | EZM3800JCBA30 | 43.08 | 22.70 | 14.78 | 56.11 |
| | 4000A, Al | — | EZM3800JCBA40 | 43.08 | 27.96 | 14.78 | 56.11 |
| | 4000A, Al | EZM3800GCBA40 | — | 43.08 | 27.96 | 14.78 | 56.11 |
| 1200 | 4000A, Al | EZM31000GCBA40 | — | 43.08 | 27.96 | 14.78 | 56.11 |
| | 4000A, Al | — | EZM31000JCBA40 | 43.08 | 27.96 | 14.78 | 56.11 |
| | 4000A, Cu | — | EZM31000JCBC40 | 43.08 | 27.96 | 14.78 | 56.11 |
| | 2500A, Al | EZM3800GCBA25 | — | 43.08 | 22.70 | 14.78 | 56.11 |
| 1200 | 4000A, Al | EZM31200GCBA40 | — | 43.08 | 27.96 | 14.78 | 56.11 |
| | 4000A, Al | — | EZM31200JCBA40 | 43.08 | 27.96 | 14.78 | 56.11 |



Tenant Circuit Breakers and EZM Accessories

Table 2.33: 125 A Max. EZM Branch Unit Tenant Circuit Breakers


| | Poles | Ampere Rating | 10 k AIR | 22 k AIR | 42 k AIR | 100 k AIR |
|---|-------|---------------|----------|----------|----------|-----------|
|  | 2 | 40 | QO240 | QO240VH | QOH240 | — |
| | | 50 | QO250 | QO250VH | QOH250 | — |
| | | 60 | QO260 | QO260VH | QOH260 | — |
| | | 70 | QO270 | QO270VH | QOH270 | — |
| | | 80 | QO280 | QO280VH | QOH280 | — |
| | | 90 | QO290 | QO290VH | QOH290 | — |
| | 2 | 100 | QO2100 | QO2100VH | QOH2100 | — |
| | | 110 | QO2110 | QO2110VH | QOH2110 | — |
| | | 125 | QO2125 | QO2125VH | QOH2125 | — |

Table 2.34: 225 A Max. EZM Branch Unit Tenant Circuit Breakers


| | Poles | Ampere Rating | 10 k AIR | 25 k AIR | 65 k AIR | 100 k AIR |
|---|-------|---------------|------------|-------------------|------------------|-----------------|
|  | 2 | 40 | QO240 [56] | QO240VH [56] [57] | QOH240 [56] [58] | — |
| | | 50 | QO250 [56] | QO250VH [56] [57] | QOH250 [56] [58] | — |
| | | 60 | QO260 [56] | QO260VH [56] [57] | QOH260 [56] [58] | — |
| | | 70 | QBP22070TM | QDP22070TM | QGP22070TM | QJP22070TM |
| | | 80 | QBP22080TM | QDP22080TM | QGP22080TM | QJP22080TM |
| | | 90 | QBP22090TM | QDP22090TM | QGP22090TM | QJP22090TM |
| | | 100 | QBP22100TM | QDP22100TM | QGP22100TM | QJP22100TM |
| | | 110 | QBP22110TM | QDP22110TM | QGP22110TM | QJP22110TM |
| | | 125 | QBP22125TM | QDP22125TM | QGP22125TM | QJP22125TM |
| | | 150 | QBP22150TM | QDP22150TM | QGP22150TM | QJP22150TM |
| | | 175 | QBP22175TM | QDP22175TM | QGP22175TM | QJP22175TM |
| | | 200 | QBP22200TM | QDP22200TM | QGP22200TM | QJP22200TM |
| | 225 | QBP22225TM | QDP22225TM | QGP22225TM | QJP22225TM | |
| | 3 | 70 | QBP32070TM | QDP32070TM | QGP32070TM | QJP32070TM [59] |
| | | 80 | QBP32080TM | QDP32080TM | QGP32080TM | QJP32080TM [59] |
| | | 90 | QBP32090TM | QDP32090TM | QGP32090TM | QJP32090TM [59] |
| | | 100 | QBP32100TM | QDP32100TM | QGP32100TM | QJP32100TM [59] |
| | | 110 | QBP32110TM | QDP32110TM | QGP32110TM | QJP32110TM [59] |
| | | 125 | QBP32125TM | QDP32125TM | QGP32125TM | QJP32125TM [59] |
| | | 150 | QBP32150TM | QDP32150TM | QGP32150TM | QJP32150TM [59] |
| | | 175 | QBP32175TM | QDP32175TM | QGP32175TM | QJP32175TM [59] |
| | | 200 | QBP32200TM | QDP32200TM | QGP32200TM | QJP32200TM [59] |
| | | 225 | QBP32225TM | QDP32225TM | QGP32225TM | QJP32225TM [59] |

Table 2.35: Accessories

| Accessory | Description | Cat. No. |
|--|--|--|
| 1200 A Bus Extension (Indoor/ Outdoor Cu bus) | 1Ø3W Bus Extension (6 in. wide) 1Ø3W Bus Extension (12 in. wide) 3Ø4W Bus Extension (6 in. wide) 3Ø4W Bus Extension (12 in. wide) | EZM1EXT6 EZM1EXT EZM3EXT6 EZM3EXT |
| 1200 A Bussed Corner Sections (Indoor Cu bus only) | 1Ø3W Inside Corner (14.75 in. wide) 1Ø3W Outside Corner (6.20 in. wide) 3Ø4W Inside Corner (14.75 in. wide) 3Ø4W Outside Corner (6.20 in. wide) | EZM1CORNER EZM1ELBOW EZM3CORNER EZM3ELBOW |
| 1200 A Transition Sections—Old to New (10.7 in. wide Cu bus) | Add right of old style 1Ø EZM lineup Add right of old style 3Ø EZM lineup Add left of old style 1Ø EZM lineup Add left of old style 3Ø EZM lineup | EZM1TRANR EZM3TRANR EZM1TRANL EZM3TRANL |
| Mounting Channel | 72" long | EZM72MC |
| Secondary Surge Arrester Mounting kit | For use with 1 or 2-SDSA1175 or 1-SDSA3650 (order surge arrester separately) | MMSAMK [60] |
| Stud Kit for EZM-TB 400–600 A terminal box | Includes (2) 1/2 in.-13 studs per pad and mounting hardware. Four pads per kit. | EZMSK2 |
| Al/Cu Lug Kits (Each kit includes three, 2-barrel lugs.) | (1) 1/0–600 kcmil or (2) 1/0–250 kcmil per lug (2) 3/0–500 kcmil per lug (2) 2–600 kcmil per lug | MMLK250 MMLK500 MMLK600 |
| Feed-Thru for EZM-TB 800 A Terminal Box | (4) 750 kcmil Al/Cu lugs per phase and neutral. Al wire 600 A max. Cu wire 800 A max. | EZM600FTLK3 |
| Feed-Thru for EZM-TB 1600 A Terminal Box | (24) additional lugs, 600 kcmil Al/Cu, (6) per phase and neutral. | EZM1600FTLK3 |
| EZM Mains Right Side Closure Cap | Replacement right side end cap for EZM Cross Bus Opening | EZM5SCAP |
| EZM Mains Left Side Closure Cap | Replacement left side end cap for EZM Cross Bus Opening | EZM5CAP |
| Fifth Jaw Kit | 1 per kit | 5J [61] |
| Horn Bypass Kit | Use with Type EZMR 1Ø meter socket only | MMHB |
| Slider Type Manual Circuit Closer | For (1) 125–225 A ring-type socket only—indoor/outdoor | MM200MB [62] [63] |
| Anti-inversion Clip | Rejects 100 A and 200 A watt-hour meters in Class 320 meter sockets in Type EZML branch units. | MMLRK |
| QO Adapter for bolt-on Q-frame tenant circuit breakers | For 2P Type QO (40–125 A, 10 kA max. meter center SCCR) or QO-VH and QOH (40–60 A, 100 kA max. meter center SCCR) | EZM125QOA |
| LJL Circuit Breaker Alternate Lug (DE2) | Kit includes (3) separate lugs for (1) #2 AWG - 500 kcmil Al or (1) #2 AWG - 600 kcmil Cu per lug. | AL400L61K3 |
| LJL Circuit Breaker Seal Kit | Tamper-evident kit to seal LJL trip dial cover, (1) per circuit breaker, if required. Meets NEC 240-6 [c] | MICROTUSEAL |
| Meter Socket Closing Plates | Lexan Closing Plate—EZM, EZMR, EZMH, EZMT Metal Closing plate—EZMR, EZMH, EZML | 29007 RSG4 |
| Sealing Rings | Snap-on (Stainless Steel) Screw-Type (Aluminum) Latch-Type (Aluminum)—standard | ARP00026 29008W 2920910001 |
| Barrel Lock Kit | For use on ringless EZM or MP branch unit covers, includes 6 each of head protectors, lock nuts and sealing caps. (Barrel lock not included) | MMBLC |
| Tenant Circuit Breaker Filler Plates | 125 A Branches—2P Type QO (2 per opening) 225 A Branches—2P and 3P Q-Frame | QOFP |

[56] Must use EZM125QOA adapter.

[57] QO-VH tenant circuit breaker is rated 22 k AIR max.

[58] QOH tenant circuit breaker is rated 42 k AIR max.

[59] 3-pole QJP tenant circuit breaker is rated 65 k AIR max. at 240/120 Vac, 3Ø4W High Leg Delta, or 100 k AIR max. at 208Y/120 Vac, 3Ø4W.

[60] Consult your nearest Schneider Electric sales office for details.

[61] All sockets include 5th Jaw factory-installed except EZM11__ devices.

[62] Meter center short circuit current rating is 10,000 RMS symmetrical amperes with manual circuit closers installed (bypass is not designed for use as continuous duty).

[63] For use on ring type meter sockets only.

METERING EQUIPMENT 2

Table 2.35 Accessories (cont'd.)

| Accessory | Description | Cat. No. |
|--|---|--------------------|
| Lug Landing Kit | For use with EZM 1200 A Mains suffix -CBU or -FSB. Order lugs separately | EZM1200ULL |
| Branch Section Mounting Kit for Riser Applications | This kit is needed when installing and connecting meter center branch sections to EZ-Meter Pak busway center tap mains in multi-floor riser applications (1 per branch section) | EZMCTMKIT |
| Branch Terminal Box | This device accommodates a maximum conductor size of 300 kcmil when voltage drop calculations require sizes over 2/0. The EZM3BTB accommodates oversizing conductors of up to 3 circuits, mounts above or below a 125 A EZM branch, and is rated NEMA 3R when below device, NEMA 1 when above device. The EZM6BTB accommodates oversizing conductors of up to 6 circuits, mounts above a 125 A EZM branch, and is rated NEMA 1. | EZM3BTB EZM6BTB |
| Load Center Main Lug Kit 125 A | 125 A main lug kit for load centers, supporting larger wire sizes 6-4/0. | QOL125VD |

Dimensions for EZ Meter-Pak Meter Centers

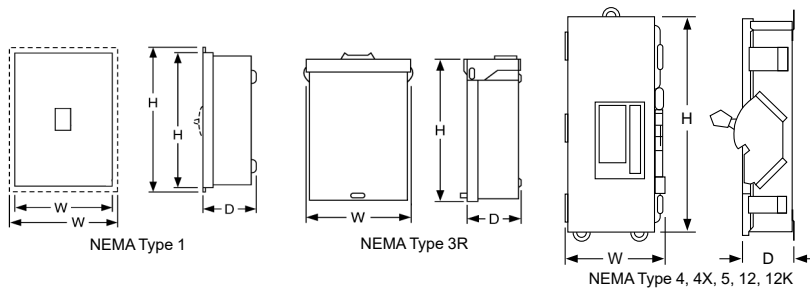
Table 2.36: Main Device Dimensions and Accessories (in.)

| | Cat. No. | Height (H) | Width (W) | Depth (D) | MC Channel (MC) | Cat. No. | Height (H) | Width (W) | Depth (D) | MC Channel (MC) |
|-------------------------|-----------------|------------|-----------|-----------|---------------------------|--------------------------|------------|-----------|-----------|-----------------|
| <p>Main Device</p> | EZM11000CB | 53.97 | 18.66 | 11.50 | 34.30 | EZM1ELBOW [64] [65] [66] | 19.50 | 14.52 | 8.01 | 11.85 |
| | EZM11000CBU | 66.27 | 32.39 | 13.70 | 47.28 | EZM31000CB | 53.97 | 18.66 | 11.50 | 34.30 |
| | EZM11200G/JCBE | 46.90 | 23.69 | 13.69 | 13.75 | EZM31000CBU | 66.27 | 32.39 | 13.70 | 47.28 |
| | EZM11200G/JCBE | 66.20 | 32.39 | 13.69 | 50.09 | EZM31200G/JCBE | 46.90 | 23.69 | 13.69 | 13.75 |
| | EZM11200FST | 46.90 | 23.69 | 13.69 | 13.75 | EZM31200G/JCBE | 66.20 | 32.39 | 13.69 | 50.09 |
| | EZM11200FSE | 66.20 | 32.39 | 13.69 | 50.09 | EZM31200TBU | 44.71 | 33.16 | 11.68 | 31.17 |
| | EZM11200G/JCBBU | 65.30 | 23.69 | 13.69 | 49.11 | EZM31200G/JCBBU | 65.30 | 23.69 | 13.69 | 49.11 |
| | EZM11200FSB | 65.30 | 23.69 | 13.69 | 49.11 | EZM31200FSB | 65.30 | 23.69 | 13.69 | 49.11 |
| | EZM11200TBU | 44.71 | 33.16 | 11.68 | 31.17 | EZM31200FST | 46.90 | 23.69 | 13.69 | 13.75 |
| | EZM11200GCBUMS | 65.30 | 23.69 | 13.63 | 49.12 | EZM31200FSE | 66.20 | 32.39 | 13.69 | 51.09 |
| EZM11200GCBEMS | 66.27 | 32.39 | 13.70 | 50.09 | EZM31200GCBUMS | 65.30 | 23.69 | 13.63 | 49.12 | |
| EZM11200GCBTMS | 46.93 | 23.69 | 13.63 | 13.75 | EZM31200GCBEMS | 66.27 | 32.39 | 13.70 | 50.09 | |
| EZM11200JCBUMS | 65.30 | 23.69 | 13.63 | 49.12 | EZM31200GCBTMS | 46.93 | 23.69 | 13.63 | 13.75 | |
| EZM11200JCBEMS | 66.27 | 32.39 | 13.70 | 50.09 | EZM31200JCBUMS | 65.30 | 23.69 | 13.63 | 49.12 | |
| EZM11200JCBTMS | 46.93 | 23.69 | 13.63 | 13.75 | EZM31200JCBEMS | 66.27 | 32.39 | 13.70 | 50.09 | |
| EZM11600G/JCBC | 68.70 | 30.19 | 18.33 | 38.13 | EZM31200JCBTMS | 46.93 | 23.69 | 13.63 | 13.75 | |
| EZM11600G/JCBBU | 68.70 | 30.19 | 18.33 | 49.12 | EZM31600G/JCBC | 68.70 | 30.19 | 18.33 | 38.13 | |
| EZM11600TB | 55.09 | 22.48 | 13.00 | 27.92 | EZM31600G/JCBBU | 68.70 | 30.19 | 18.33 | 49.12 | |
| EZM11600GCBUMS | 68.91 | 30.19 | 18.31 | 44.50 | EZM31600TB | 55.09 | 22.48 | 13.00 | 27.92 | |
| EZM11600GCBEMS | 68.91 | 30.19 | 18.31 | 44.50 | EZM31600GCBUMS | 68.91 | 30.19 | 18.31 | 44.50 | |
| EZM11600JCBUMS | 68.91 | 30.19 | 18.31 | 44.50 | EZM31600GCBEMS | 68.91 | 30.19 | 18.31 | 44.50 | |
| EZM11600JCBEMS | 68.91 | 30.19 | 18.31 | 44.50 | EZM31600JCBUMS | 68.91 | 30.19 | 18.31 | 44.50 | |
| EZM12000CB | 68.70 | 30.19 | 18.33 | 44.25 | EZM31600JCBEMS | 66.27 | 32.39 | 13.70 | 50.09 | |
| EZM12000CBU | 68.70 | 30.19 | 18.33 | 44.25 | EZM32000CB | 68.70 | 30.19 | 18.33 | 44.25 | |
| EZM12000TB | 71.09 | 30.19 | 21.46 | 37.62 | EZM32000CBU | 68.70 | 30.19 | 18.33 | 44.25 | |
| EZM12000CBMS | 68.91 | 30.19 | 18.31 | 44.50 | EZM32000TB | 71.09 | 30.19 | 21.46 | 37.62 | |
| EZM12000CBUMS | 68.91 | 30.19 | 18.31 | 44.50 | EZM32000CBMS | 68.91 | 30.19 | 18.31 | 44.50 | |
| EZM1225TB [66] | 21.81 | 11.66 | 6.37 | 13.00 | EZM32000CBUMS | 68.91 | 30.19 | 18.31 | 44.50 | |
| EZM1400CB | 53.97 | 18.66 | 11.50 | 34.30 | EZM3225TB [66] | 21.81 | 11.66 | 6.37 | 13.00 | |
| EZM1400CBU | 69.03 | 20.46 | 11.50 | 49.37 | EZM3400CB | 53.97 | 18.66 | 11.50 | 34.30 | |
| EZM1400FS | 53.97 | 18.66 | 11.50 | 34.30 | EZM3400CBU | 69.03 | 20.46 | 11.50 | 49.37 | |
| EZM1400FSU | 69.03 | 20.46 | 11.50 | 49.37 | EZM3400FS | 53.97 | 18.66 | 11.50 | 34.30 | |
| EZM1400TB | 30.46 | 17.15 | 7.09 | 16.29 | EZM3400FSU | 69.03 | 20.46 | 11.50 | 49.37 | |
| EZM1400TBU | 35.71 | 17.16 | 8.00 | 27.17 | EZM3400TB | 30.46 | 17.15 | 7.09 | 16.29 | |
| EZM1600CB | 53.97 | 18.66 | 11.50 | 34.30 | EZM3400TBU | 35.71 | 17.16 | 8.00 | 27.17 | |
| EZM1600CBU | 69.03 | 20.46 | 11.50 | 49.37 | EZM3600CB | 53.97 | 18.66 | 11.50 | 34.30 | |
| EZM1600FS | 53.97 | 18.66 | 11.50 | 34.30 | EZM3600CBU | 69.03 | 20.46 | 11.50 | 49.37 | |
| EZM1600FSU | 69.03 | 20.46 | 11.50 | 49.37 | EZM3600FS | 53.97 | 18.66 | 11.50 | 34.30 | |
| EZM1600TB | 30.46 | 17.15 | 7.09 | 16.29 | EZM3600FSU | 69.03 | 20.46 | 11.50 | 49.37 | |
| EZM1800CB | 53.97 | 18.66 | 11.50 | 34.30 | EZM3600TB | 30.46 | 17.15 | 7.09 | 16.29 | |
| EZM1800CBU | 69.03 | 20.46 | 11.50 | 49.37 | EZM3800CB | 53.97 | 18.66 | 11.50 | 34.30 | |
| EZM1800FS | 53.97 | 18.66 | 11.50 | 34.30 | EZM3800CBU | 69.03 | 20.46 | 11.50 | 49.37 | |
| EZM1800FSU | 69.03 | 20.46 | 11.50 | 49.37 | EZM3800FS | 53.97 | 18.66 | 11.50 | 34.30 | |
| EZM1800TB | 53.97 | 18.66 | 11.50 | 34.30 | EZM3800FSU | 69.03 | 20.46 | 11.50 | 49.37 | |
| EZM1800TBCU | 51.76 | 22.48 | 7.09 | 28.01 | EZM3800TB | 53.97 | 18.66 | 11.50 | 34.30 | |
| EZM1800TBU | 39.96 | 25.16 | 11.68 | 31.17 | EZM3800TBCU | 51.76 | 22.48 | 7.09 | 28.01 | |
| EZM1EXT [66] | 19.34 | 11.66 | 6.37 | 11.85 | EZM3800TBU | 39.96 | 25.16 | 11.68 | 31.17 | |
| EZM1EXT6 [66] | 19.34 | 6.00 | 6.37 | 11.85 | EZM3EXT [66] | 19.34 | 11.66 | 6.37 | 11.85 | |
| EZM1CORNER [64][66][67] | 19.50 | 14.40 | 8.02 | 11.85 | EZM3EXT6 [66] | 19.34 | 6.00 | 6.37 | 11.85 | |
| EZM3BTB [68] | 19.31 | 12.25 | 8.43 | — | EZM3CORNER [64] [66] [67] | 19.50 | 14.40 | 8.02 | 11.85 | |
| EZM6BTB [64] | 23.00 | 12.13 | 8.00 | — | | | | | | |

[64] Indoor only.
 [65] Each leg of elbow section measures 6.17 in. corner of wall to start of next enclosure.
 [66] Device supplied without mounting channel, secure to wall by use of swingable mounting feet.
 [67] Each leg of this corner section measures 14.72 in. from wall to start of next enclosure.
 [68] Outdoor when mounted below branch device. Indoor only when mounted above branch device.

Table 2.39: Enclosed Molded Case Switches

| System | Ampere Rating | Cat. No. Add Suffix [1] | 600 Vac Short Circuit Withstand Ratings |
|----------------------------------|---------------|-------------------------|---|
| LH—400 A Frame, 3P, 600 Vac Max. | | | |
| 2P | 400 | LHE26000() | 25 kA |
| 3P | 400 | LHE36000() | 25 kA |

**Table 2.40: Enclosed Molded Case Switch Dimensions**

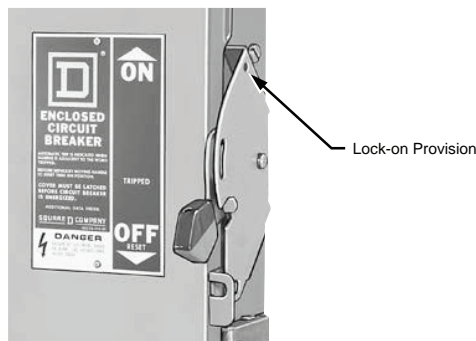
| Cat. No. Prefix—Suffix | Series | Approximate Dimension | | | | | |
|------------------------|--------|-----------------------|------|-------|-----|------|-----|
| | | H | | W | | D | |
| | | in. | mm | in. | mm | in. | mm |
| LHE—AWK | E05 | 42.25 | 1073 | 13.75 | 349 | 7.25 | 184 |
| LHE—DS | E05 | 42.25 | 1073 | 13.75 | 349 | 7.25 | 184 |
| LHE—F | A03 | 45.63 | 1159 | 16.50 | 419 | 6.50 | 165 |
| LHE—R | A03 | 44.00 | 1118 | 15.38 | 391 | 7.88 | 200 |
| LHE—S | E03 | 44.50 | 1130 | 15.38 | 391 | 6.50 | 165 |

Lock-On Provisions

Lock-off provisions are standard on all NEMA Type 4, 4X, 5 stainless steel and NEMA Type 12, 12K circuit breaker enclosures. Provision for one inch hasp padlock is available factory installed. This modification will allow the circuit breaker to be locked in the ON position. When locked in the ON position, the external operator will not indicate if circuit breaker is tripped. UL Listed.

Table 2.41: Enclosure

| Enclosure Prefix | Suffix for Lock-On Provision |
|--------------------|------------------------------|
| FA, J, LA, L, M, P | SPLO |



Lock-On Provision

Pilot Light—Selector Switch—Push Button

Pilot lights, push buttons or selector switches are available factory installed in the cover of NEMA Type 4, 4X, 5 stainless steel or NEMA Type 12, 12K circuit breaker enclosures. Wiring to contact blocks is not available. Customer must furnish catalog number of device desired. Price = circuit breaker + enclosure + neutral + ground + pilot light, push button and/or selector switch + factory-installed adder. Order by description. L600 enclosures are UL Listed, other enclosures are not UL Listed.

Phenolic Legend Plate

Available engraved and mounted on most circuit breaker enclosures. Legend engraved in 1/4-inch high white letters on black background. Customer must provide legend. UL Listed. Not available on NEMA Type 7 or 9 enclosures.

To order, add suffix NP to standard catalog number (i.e. LA400SNP).

Stainless Steel Front Enclosure

The FA100F NEMA Type 1, flush-mount circuit breaker enclosure is available with a stainless steel front. This modification is desirable in food handling areas such as cafeterias and restaurants. Not UL Listed.

Table 2.42: Stainless Steel Front Enclosure

| Cat. No. |
|----------|
| FA100FSS |

[1] Add suffix S or F for NEMA 1 surface mounted or NEMA 1 flush mounted, respectively. Add suffix RB for NEMA 3R with bolt-on hub provision (FHE prefix only) or suffix R for NEMA 3R with a blank top endwall (LHE prefix only), respectively. Add suffix AWK for NEMA 12. Add suffix DS for NEMA 4/4X/5 stainless steel.



Key Interlock Systems for Circuit Breaker Enclosures
(Factory installed only.)

Interlocks are used to prevent the authorized operator from making an unauthorized operation. Available only on NEMA 4, 4X, 5, 12K, and 12/3R circuit breaker enclosures. The key interlock system is a simple and easy method of applying individual key interlock units and assemblies to the above equipment so as to require operation in a predetermined sequence. UL Listed.

Quoting

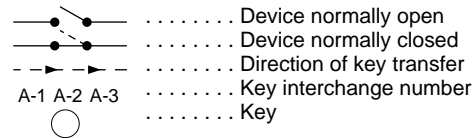
Contact local Field Sales office for catalog number, availability and pricing prior to quoting a job.

Ordering

Order cannot be released for production until the following information has been provided:

- End User—Company name, address
- Function of each lock (e.g., circuit breaker to be locked open with key removed, key held when circuit breaker is closed)
- Existing Equipment—if circuit breaker is to be interlocked with equipment already on site, provide brand of existing lock and key number
- Other New Equipment—if circuit breaker is to be interlocked with new equipment not yet installed at the site, then provide contact person and phone number so that locks may be coordinated
- Additional information may be required upon order entry

Diagram Symbols



Sample Application—1 (See Figure 1)

To prevent two devices from being closed simultaneously.

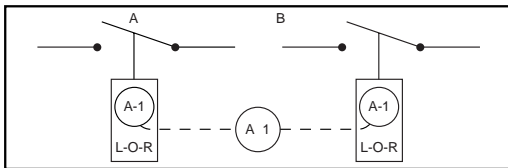


Figure 1

Two devices are shown in Figure 1. In operation they are not closed at the same time. With the interlocks arranged as shown only one key is required in the interlocking system. Both devices are shown open, therefore, the key is free. To close any one device the key is inserted and turned in that particular lock, the key is held in this lock until the device is again locked open. This simple interlocking sequence lends itself to a multitude of applications. The procedure is the same for two devices, neither of which is to be opened at the same time.

Sample Application—2 (See Figure 2)

To prevent opening of switch A when circuit breaker B is closed.

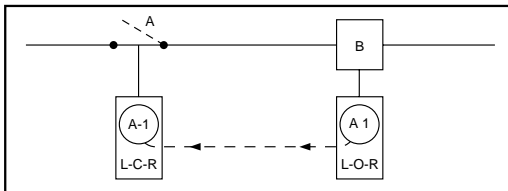


Figure 2

Switch A and circuit breaker B are in closed position. Key A-1 is held in circuit breaker B interlock.

- Open circuit breaker.
- Turn key A-1 in L-O-R interlock on circuit breaker B to lock open. Key A-1 is now free.
- Insert key A-1 in L-C-R interlock on switch A and turn to unlock.
- Open switch A. Key A-1 is now held. Reverse sequence to restore service.

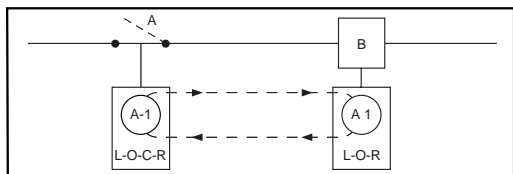


Figure 3

Sample Application—3 (See Figure 3)

To prevent operation of switch A when circuit breaker B is closed. Permits reclosing of circuit breaker for servicing when switch is locked open.

Switch A and circuit breaker B are in closed position. Key A-1 is held in circuit breaker interlock.

- Open circuit breaker.
- Turn key A-1 in L-O-R interlock on circuit breaker B to lock open. Key A-1 is now free.
- Insert key A-1 in L-O-C-R interlock on switch A and turn to unlock.
- Open switch A.
- Turn key A-1 in L-O-C-R interlock on switch A to lock open. Key A-1 is now free.
- Return key A-1 to circuit breaker interlock and unlock for operation during servicing period.

Reverse sequence to restore service.

Sample Application—4 (Main-Tie-Main) (See Figure 4)

To prevent paralleling of lines A and B.—Two loads, fed from either source.

Circuit breaker A is closed to supply load M. Circuit breaker B is closed to supply load N. Tie-circuit breaker C is open. Keys A-1 are held in interlocks on both circuit breakers A and B. Tie-circuit breaker C cannot be closed unless either A or B is locked open.

To transfer load N to circuit breaker A, proceed as follows:

- Open circuit breaker B.
- Turn key A-1 in L-O-R interlock on circuit breaker B to lock open. Key A-1 is now free.
- Insert Key A-1 in L-O-R interlock on tie-circuit breaker C and turn to unlock. Key A-1 is now held.
- Close tie-circuit breaker C.

Reverse sequence to restore service.

Load M can be supplied through circuit breaker B in a similar manner.

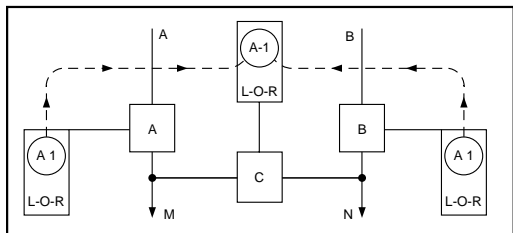


Figure 4