

Commercial Meter Stack Modules (35MM, 37MM, 35SS and 37SS)



35MM, 37MM, 35SS and 37SS

Contents

| <i>Description</i>  | <i>Page</i>      |
|---|------------------|
| Systems for Residential and Commercial Applications . . . . .                                   | <b>V1-T5-92</b>  |
| Meter Packs . . . . .   | <b>V1-T5-94</b>  |
| Type CCV 120/240V Tenant Main Circuit Breaker . . . . .   | <b>V1-T5-99</b>  |
| Meter Packs—1MP, 1MM and 3MM Main Tenant Circuit Breakers . . . . .                             | <b>V1-T5-100</b> |
| Main Service Modules . . . . .  | <b>V1-T5-103</b> |
| Surge Metering . . . . .  | <b>V1-T5-117</b> |
| Residential Meter Stacks . . . . .  | <b>V1-T5-118</b> |
| 1MP, 1MM and 3MM Main Tenant Circuit Breakers . . . . .   | <b>V1-T5-127</b> |
| Phase Balanced Stack . . . . .  | <b>V1-T5-128</b> |
| Commercial Meter Stack Modules 35MM, 37MM, 35SS and 37SS Main Tenant Circuit Breakers . . . . . | <b>V1-T5-136</b> |

Commercial Meter Stack Modules

Product Description

- Heavy-duty lever bypass socket design
- Single-phase or three-phase designs (35 = single-phase, 37 = three-phase)
- Provision for two-pole or three-pole main tenant breakers
- Phase balance kits are included with three-high and four-high modules

Features, Benefits and Functions

**A. End Walls**

The top cap is removable and does not contain knockouts, so contractors can position and punch holes where they need them. There are numerous KOs in the back and bottom for flexibility.

**B. Ground Bars**

The factory-installed equipment ground bars are provided in both the top and bottom gutters.

**C. Meter Socket**

The 5-jaw meter socket and 7-jaw meter socket includes a built-in manual bypass and jaw release. The ground wire is factory connected in both 35MM and 37MM modules.

**D. Separate Wireway Cover**

If work on the breakers or cables is necessary, it can be accomplished without disturbing the meters or meter covers, thanks to a separate cover that allows easy access to the module's main tenant breaker and wireway section. (Not shown.)

**E. Barrier**

A solid metal barrier separates the meter socket section from the tenant breaker in the wireway section. The unmetereed vertical bus is enclosed to guard against power theft.

**F. Neutral Assembly**

Located in the wireway of each module, the assembly permits convenient termination of the neutral conductors.

**G. Enclosed Horizontal Bus**

Non-removable metal barrier encloses 1200A horizontal bus when passing through the tenant breaker section for added security.

**H. Tenant Breaker Range**

All modules accept 15–225A bolt-on breakers in various AIC ratings. The CHH\_X breaker carries a UL listed series rating of 100,000A, which allows you to use standard 10 kAIC breakers in downstream loadcenters and panelboards by Eaton.

**I. Indoor/Outdoor Construction**

Raintight caps, meter covers and lockable raintight tenant breaker covers make it convenient for you to use any of our modules on either NEMA 1 or NEMA 3R applications.

**J. Mounting Rail**

Rear mounting rail and wall hanger speed and simplify installation. (Mounting rail not shown.)

**K. Nameplate and Ratings**

The nameplate gives you full rating data: 208Y/120, three-phase, four-wire; 240/120, three-phase, four-wire delta (high leg on B-phase); and 240/120 single-phase. (Not shown.)

**L. Mains and Modules**

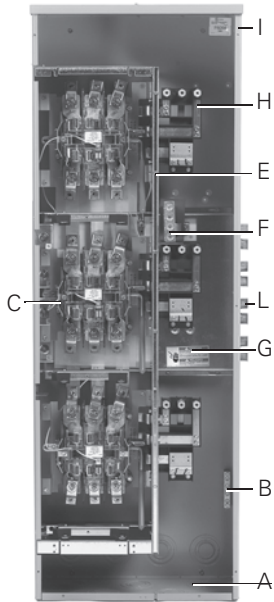
Slip together quickly, smoothly with front-accessible captive bolts securing the juncture without removing socket interiors or bus access plate. Main bus joint bolts torque to 25 foot pounds.

# 5.11 Metering Products

## Group Metering

5

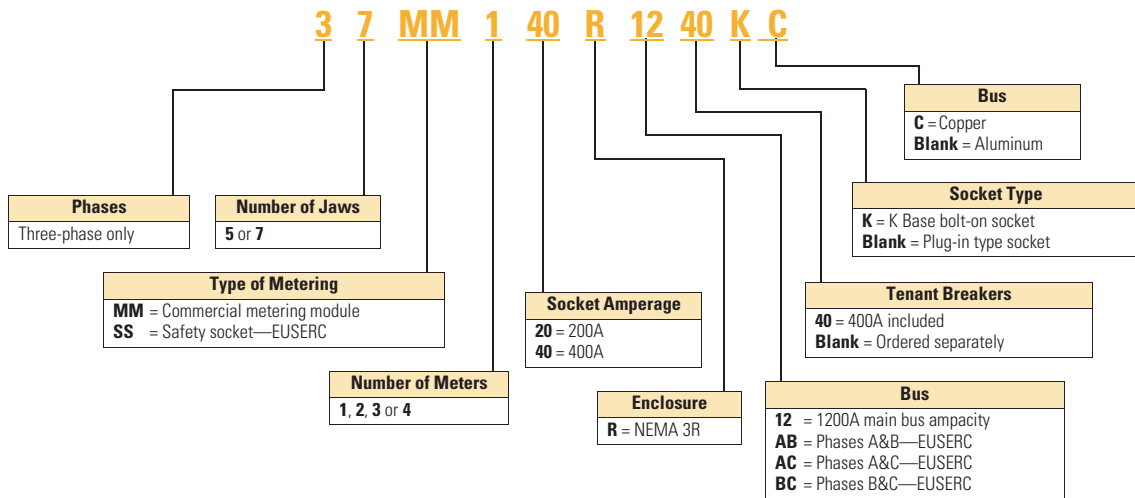
### 37MM Meter Stack Module



- Eaton's 35MM and 37MM modular metering stacks contain meter sockets with built-in manual bypass and jaw release (Non-EUSERC areas)
- Eaton's 35SS and 37SS stacks use meter sockets with test bypass feature (meets EUSERC electrical requirements)
- All commercial modular metering stacks contain four horizontal cross buses
- Mechanically and electrically built to bolt-up with main service modules and residential modular metering stacks

### Catalog Number Selection

#### Commercial Meter Stack Modules



#### When Ordering:

1. Determine catalog number of Main Service Module.
2. Determine catalog number of Meter Stack (Residential or Commercial).
3. Find quantity and catalog numbers for tenant circuit breakers (found on **Page V1-T5-136**). Order one breaker per socket.
4. If any accessories are needed, order from **Pages V1-T5-138** and **V1-T5-139**.

**Product Selection**

**35MM**

- Each socket is a 5 terminal block with lever bypass and jaw release
- Ringless covers
- Provision for two-pole main tenant breakers (circuit breakers not included). For circuit breaker catalog numbers, refer to **Page V1-T5-136**
- Phase balancing kits are included with three-high and four-high modules. Each individual socket can be phase balanced in the field to the desired lines (A-B, B-C or A-C). Comes from factory as A-B
- Indoor/outdoor construction
- Main tenant feeders can exit top, bottom or back
- If being used in outdoor application and exiting the top, mount Myer type hubs on rainproof cap
- Short-circuit ratings up to 100A rms symmetrical depending upon the kAIC rating of installed main tenant circuit breakers and main device
- Non-EUSERC areas

**35MM—Single-Phase Commercial Meter Stack Modules (Three-Phase In, Single-Phase Out)**

| System Voltage   | Ampere Rating Per Meter Socket | Number of Meter Sockets | Horizontal Bus Ampacity/ Material | Number of Jaws Per Meter Socket | Main Tenant Breaker Type (Page V1-T5-136) | Catalog Number                 |                          |                        |
|--|--------------------------------|-------------------------|-----------------------------------|---------------------------------|---|--------------------------------|--------------------------|------------------------|
| 120/240V, single-phase, three-wire systems and 208Y/120V network metering (Not suitable for use on three-phase, four-wire delta systems) | 225                            | 1                       | 1200 Al                           | 5                               | Bolt-on type                              | <b>35MM120R12</b>              |                          |                        |
|  |                                | 1                       | 1200 Cu                           | 5                               |   | <b>35MM120R12C</b>             |                          |                        |
|  | 400                            | 2                       | 2                                 | 1200 Al                         | 5   | EHD2_①                         | <b>35MM220R12</b>        |                        |
|  |                                |                         | 2                                 | 1200 Cu                         | 5   |                                | <b>35MM220R12C</b>       |                        |
|  |                                | 3                       | 3                                 | 1200 Al                         | 5   | CC2_X                          | <b>35MM320R12</b>        |                        |
|  |                                |                         | 3                                 | 1200 Cu                         | 5   |                                | <b>35MM320R12C</b>       |                        |
|  |                                | 4                       | 4                                 | 1200 Al                         | 5   | CHH2_H2X<br>CHH2_H4X<br>CHH2_X | <b>35MM420R12</b>        |                        |
|  |                                |                         | 4                                 | 1200 Cu                         | 5   |                                | <b>35MM420R12C</b>       |                        |
|  |                                | 400                     | 1                                 | 1                               | 1200 Al                                   | 5                              | 400A<br>K-Frame included | <b>35MM140R1240</b> ②  |
|  |                                |                         |                                   | 1                               | 1200 Cu                                   | 5                              |                          | <b>35MM140R1240C</b> ② |
|  | 400                            | 1                       | 1                                 | 1200 Al                         | 5   | 400A<br>K-Frame included       | <b>35MM140HR1240</b> ③   |                        |
|  |                                |                         | 1                                 | 1200 Cu                         | 5   |                                | <b>35MM140HR1240C</b> ③  |                        |
|  | 400                            | 2                       | 2                                 | 1200 Al                         | 5   | 400A<br>K-Frame included       | <b>35MM240R1240</b>      |                        |
|  |                                |                         | 2                                 | 1200 Cu                         | 5   |                                | <b>35MM240R1240C</b>     |                        |
| 400 continuous   | 1                              | 1                       | 1200 Cu                           | 5                               | 400A<br>L-Frame included                  | <b>35MM140R1240K</b>           |                          |                        |
| 400 continuous   | 1                              | 1                       | 1200 Cu                           | 5                               | 400A<br>L-Frame included                  | <b>35MM140HR1240KC</b> ④       |                          |                        |

**Notes**

- ① EHD main tenant breakers require one **37MMCBK** kit per breaker.
- ② Unit is bottom exit only.
- ③ Rated at 100 kAIC.
- ④ Rated at 35 kAIC.

# 5.11 Metering Products

## Group Metering

### 37MM

- Each socket is a 7 terminal block with lever bypass and jaw release
- Ringless covers
- Provision for three-pole main tenant breakers (circuit breakers not included). For circuit breaker catalog numbers, refer to **Page V1-T5-136**
- Indoor/outdoor construction
- Main tenant breakers can exit top, bottom or back
- If being used in outdoor application and exiting the top, mount Myer type hubs on rainproof cap
- Short-circuit ratings up to 100A rms symmetrical depending upon the kAIC rating of installed main tenant circuit breakers and main device
- Non-EUSERC areas

### 37MM—Three-Phase Commercial Meter Stack Modules (Three-Phase In, Three-Phase Out)

| System Voltage   | Ampere Rating Per Meter Socket | Number of Meter Sockets | Horizontal Bus Ampacity/Material | Number of Jaws Per Meter Socket ① | Main Tenant Breaker Type (Page V1-T5-136) | Catalog Number           |                         |                      |
|--|--------------------------------|-------------------------|----------------------------------|-----------------------------------|---|--------------------------|-------------------------|----------------------|
| 208Y/120V, three-phase, four-wire<br>240/120V, three-phase, four-wire delta<br>(B-phase is high leg) | 225                            | 1                       | 1200 Al                          | 7                                 | Bolt-on type                              | <b>37MM120R12</b>        |                         |                      |
|  |                                | 1                       | 1200 Cu                          | 7                                 |   | <b>37MM120R12C</b>       |                         |                      |
|  | 400                            | 2                       | 2                                | 1200 Al                           | 7   | EHD3_②                   | <b>37MM220R12</b>       |                      |
|  |                                |                         | 2                                | 1200 Cu                           | 7   |                          | <b>37MM220R12C</b>      |                      |
|  |                                | 3                       | 3                                | 1200 Al                           | 7   | CC3_X                    | <b>37MM320R12</b>       |                      |
|  |                                |                         | 3                                | 1200 Cu                           | 7   |                          | <b>37MM320R12C</b>      |                      |
|  |                                | 4                       | 4                                | 1200 Al                           | 7   | CHH3_H2X                 | <b>37MM420R12</b>       |                      |
|  |                                |                         | 4                                | 1200 Cu                           | 7   |                          | <b>37MM420R12C</b>      |                      |
|  |                                | 400                     | 1                                | 1                                 | 1200 Al                                   | 7                        | CHH3_H4X<br>CHH3_       | <b>37MM140R12</b> ③  |
|  |                                |                         |                                  | 1                                 | 1200 Cu                                   | 7                        |                         | <b>37MM140R12C</b> ③ |
|  | 400                            | 1                       | 1                                | 1200 Al                           | 7   | 400A<br>K-Frame included | <b>37MM140R1240</b> ④   |                      |
|  |                                |                         | 1                                | 1200 Cu                           | 7   |                          | <b>37MM140R1240C</b> ④  |                      |
|  | 400                            | 1                       | 1                                | 1200 Al                           | 7   | 400A<br>K-Frame included | <b>37MM140HR1240</b> ⑤  |                      |
|  |                                |                         | 1                                | 1200 Cu                           | 7   |                          | <b>37MM140HR1240C</b> ⑤ |                      |
| 400  | 2                              | 2                       | 1200 Al                          | 7                                 | 400A<br>K-Frame included                  | <b>37MM240R1240</b>      |                         |                      |
|  |                                | 2                       | 1200 Cu                          | 7                                 |   | <b>37MM240R1240C</b>     |                         |                      |
| 400 continuous   | 1                              | 1                       | 1200 Cu                          | 7                                 | 400A<br>L-Frame included                  | <b>37MM140R1240KC</b> ⑥  |                         |                      |
| 400 continuous   | 1                              | 1                       | 1200 Cu                          | 7                                 | 400A<br>L-Frame included                  | <b>37MM140HR1240KC</b> ⑦ |                         |                      |

#### Notes

- ① If a socket in a 37MM meter stack module needs to be single-phase, order **37MM1CK**. This will convert the three-phase socket to single-phase.
- ② EHD main tenant breakers require one **37MMCBK** kit per breaker.
- ③ 320A continuous rated socket with provisions for two main tenant breakers.
- ④ Unit is bottom exit only.
- ⑤ Rated at 100 kAIC.
- ⑥ Rated at 25 kAIC.
- ⑦ Rated at 35 kAIC.