

#### 1MM and 3MM Metering Stack Modules



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### Residential Meter Stacks—(1MP, 1MM and 3MM Tenant Main Circuit Breakers)

#### Features, Benefits and Functions

##### A. Barrier

Meter socket and tenant main breaker/wireway sections are separated by a solid metal barrier to guard unmetred bus against power theft.

##### B. Tenant Breaker

Reliable busbar-to-busbar connection. 200 A modules accept bolt-on breakers 60–200 A. 125 A modules accept 15–125 A plug-on breakers.

##### C. Moveable Phase Connector

Four-wire horizontal bus lets you use any 3MM module for single- or three-phase incoming service. Shipped with A and B phase connection, phase balancing is easily accomplished in the field by moving one, front-accessible phase connector post per module.

##### D. Neutral Assembly

A convenient termination for neutral conductors is in the wireway of each module.

##### E. Enclosed Horizontal Bus

Added security because a non-removable barrier encloses the 800 or 1200 A horizontal bus passing through tenant breaker section.

##### F. Equipment Ground Bar

Factory installed in side gutter, a standard feature that's moveable to the top or bottom gutter.

##### G. Raintight Cap

Shipped on each outdoor meter module and main device.

##### H. Knockouts

Tangential in bottom endwall.

##### I. Superior Finish

Rust inhibiting phosphate primer and gray baked enamel is standard. All outdoor enclosures are of galvanized steel construction.

##### J. Meter Socket

Our unique meter socket base is installed without any fasteners—reducing chances for hot spots, easily replaceable, and improves connection to vertical bus.

##### K. Bus Connection

Mains and modules slip together quickly and 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.

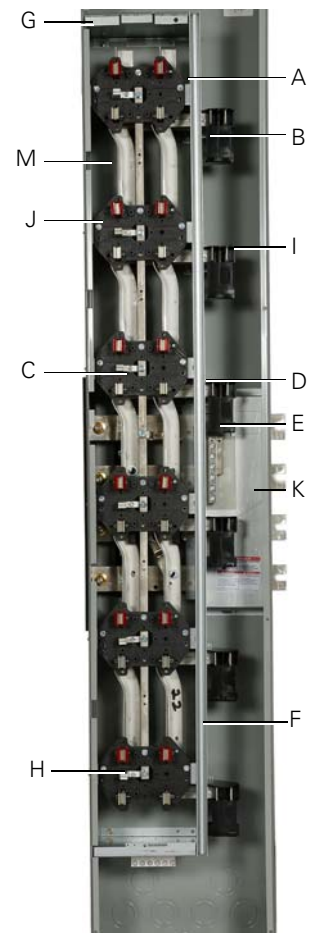
##### L. Separate Wireway Cover

Separate covers allow easy access to tenant breaker and wireway section, permit work on breakers or in wireway without disturbing meters or meter covers. (Not shown.)

##### M. Vertical Busbar

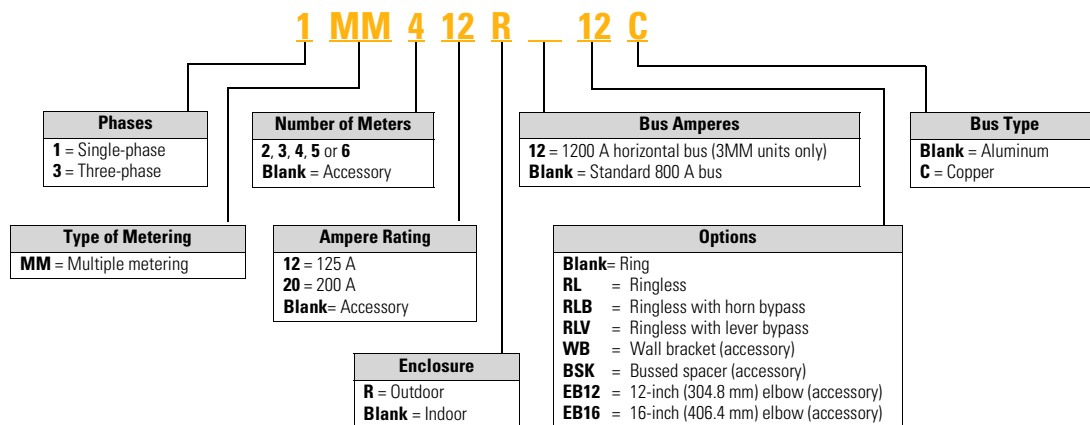
One-piece vertical busbar from phase balancing joints to meter socket eliminating any chance for hot spots.

#### 1MM Meter Stack Module



- Eaton's 1MM stacks are single-phase in, single-phase out design
- Eaton's 3MM stacks are three-phase in, single-phase out design
- Stacks with single-phase horizontal bus are rated 240/120 V, single-phase, three-wire. Stacks with three-phase horizontal bus are rated 208Y/120 V, three-phase, four-wire, but can be used on 240/120 V, three-phase, four-wire delta systems
- All three-phase horizontal bus modules have four-wire cross bus, connected A-B phase to vertical bus, readily reconnectable for phase balance on installation
- Note:** Individual sockets cannot be phase balanced, only each stack.
- Short-circuit ratings up to 100,000 A rms symmetrical depending upon AIC rating of installed main tenant circuit breakers and main device
- Main tenant feeders can exit bottom or back. Knockouts are available at all exit locations
- If being used in outdoor application and exiting the top, mount Myer type hubs on rainproof cap
- Provision for two-pole breaker (plug-on type for 125 A sockets and bolt-on type for 200 A sockets)—circuit breakers not included
- Mechanically and electrically built to bolt-up with main service modules and commercial modular metering stacks
- Aluminum or copper bus
- 800 or 1200 A horizontal bus
- All 3MM stacks include fifth jaw at 9 o'clock position
- All 1MM stacks do not include fifth jaw. Order 1MM5JK if needed

### Catalog Number Selection



### When Ordering:

- Determine catalog number of Main Service Module.
- Determine catalog number of Meter Stack (Residential or Commercial).
- Find quantity and catalog numbers for tenant circuit breakers (found on **Page V1-T4-128** or **V1-T4-134**). Order one breaker per socket.
- If any accessories are needed, order from **Pages V1-T4-139** and **V1-T4-140**.

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#### 1200 A Horizontal Aluminum Bus—Standard Offering

Amperes Per Meter Socket	Number of Meter Sockets	Bus Ampacity	Enclosure Type <sup>①</sup>	Main Tenant Breaker Type (For Specific Catalog Numbers, Refer to Page V1-T4-121)	Three-Phase In, Single-Phase Out Three-Phase Horizontal Bus (Four Horizontal Busbars—A, B, C and Neutral) Catalog Number
<b>Ring Style Meter Socket Covers <sup>②</sup></b>					
125 <sup>③</sup>	2 <sup>④</sup>	1200	Indoor/outdoor	Plug-on type	<b>3MM212R12</b>
	3 <sup>④</sup>	1200	Indoor/outdoor	BR2_ BRH2_	<b>3MM312R12</b>
	4	1200	Indoor/outdoor	BRHX2_ BRHH2_	<b>3MM412R12</b>
	5	1200	Indoor/outdoor	BRX2_	<b>3MM512R12</b>
	6	1200	Indoor/outdoor		<b>3MM612R12</b>
	200 <sup>⑤</sup>	2	1200	Outdoor	Bolt-on type
3		1200	Outdoor	CCV2_X CCVH2_X	<b>3MM320R12</b>
4		1200	Outdoor	CVS2_XMM CV2_XMM	<b>3MM420R12</b>
5		1200	Indoor/outdoor	CVH2_XMM	<b>3MM520R12</b>
<b>Ringless Style Meter Socket Covers (5th Jaw at 9 o’Clock Standard—Field Adjustable to 3 or 6 o’Clock)</b>					
125	2	1200	Outdoor	Plug-on type	<b>3MM212R12RL</b>
	3	1200	Outdoor	BR2_ BRH2_	<b>3MM312R12RL</b>
	4	1200	Outdoor	BRHX2_ BRHH2_	<b>3MM412R12RL</b>
	5	1200	Outdoor	BRX2_	<b>3MM512R12RL</b>
	6	1200	Outdoor		<b>3MM612R12RL</b>
	200	2	1200	Outdoor	Bolt-on type
3		1200	Outdoor	CCV2_X CCVH2_X	<b>3MM320R12RL</b>
4		1200	Outdoor	CVS2_XMM CV2_XMM	<b>3MM420R12RL</b>
5		1200	Outdoor	CVH2_XMM	<b>3MM520R12RL</b>
<b>Ringless Style Covers with Horn Bypass (5th Jaw at 9 o’Clock Standard—Field Adjustable to 3 or 6 o’Clock)</b>					
125	2	1200	Outdoor	Plug-on type	<b>3MM212R12RLB</b>
	3	1200	Outdoor	BR2_ BRH2_	<b>3MM312R12RLB</b>
	4	1200	Outdoor	BRHX2_ BRHH2_	<b>3MM412R12RLB</b>
	5	1200	Outdoor	BRX2_	<b>3MM512R12RLB</b>
	6	1200	Outdoor		<b>3MM612R12RLB</b>
	200	2	1200	Outdoor	Bolt-on type
3		1200	Outdoor	CCV2_X CCVH2_X	<b>3MM320R12RLB</b>
4		1200	Outdoor	CVS2_XMM CV2_XMM	<b>3MM420R12RLB</b>
5		1200	Outdoor	CVH2_XMM	<b>3MM520R12RLB</b>
<b>Ringless Style Covers with Lever Bypass</b>					
125	2	1200	Outdoor	Plug-on type	<b>3MM212RRLV12</b>
	3	1200	Outdoor	BR2_ BRH2_	<b>3MM312RRLV12</b>
	4	1200	Outdoor	BRHX2_ BRHH2_	<b>3MM412RRLV12</b>
	5	1200	Outdoor	BRX2_	<b>3MM512RRLV12</b>
	5 <sup>⑥</sup>	1200	Outdoor		<b>3MM512RRLV12H</b>
	6	1200	Outdoor		<b>3MM612RRLV12</b>
	6 <sup>⑥</sup>	1200	Outdoor		<b>3MM612RRLV12H</b>

**Notes**

- ① For indoor applications where a top endwall with knockouts is needed, order (one) of part number **MM12N1WLK** for each 125 A stack or **MM20N1WLK** for each 200 A stack.
- ② Reference drawing EUSERC DWG-G1, G2, G3.
- ③ To change in field from ring to ringless—order **1MMRC125**.
- ④ To change in field from ring to ringless, the top socket in 125 A, two- and three-high stacks use **1MMRC125T**. Top socket only—other sockets see ③.
- ⑤ To change in field from ring to ringless—order **1MMRC200**.
- ⑥ 3MM512RRLV12H and 3MM612RRLV12H are Ameren approved with high cross bus.