

Meter Pack



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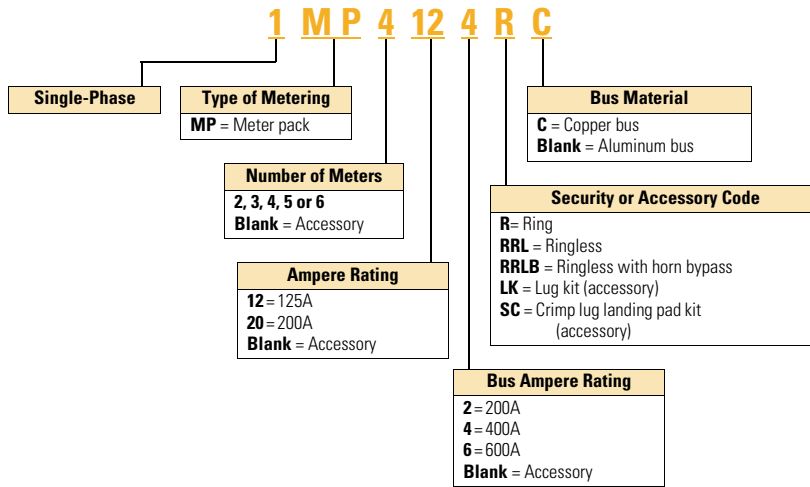
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Meter Packs

Product Overview

- Eaton's 1MP units are self-contained (main terminal box included) for installations requiring up to six meter socket positions in a single enclosure
- Units are not gangable with any other metering device
- Approved by major power companies, UL listed, suitable as service equipment and meet the service and electrical requirements of EUSERC and CECHA
- Series rating up to 100 kAIC
- All ringless cover devices include fifth jaw as standard
- Ring type devices do not include fifth jaw as standard. Order 1MM5JK if needed
- Bondable neutral
- 120/240 Vac, single-phase three-wire metering device
- Up to 600A maximum horizontal bus rating
- Incoming lugs not included (phase A, phase B and neutral)
- Indoor/outdoor construction
- Provision for two-pole breaker (plug-on type for 125A sockets and bolt-on type for 200A sockets)—circuit breakers not included
- Underground incoming feed
- Aluminum or copper bus

Catalog Number Selection



When Ordering:

1. Determine catalog number of the basic device.
2. Include Lug Kit for incoming section. See **Page V1-T5-98**.
3. Find quantity and catalog numbers for tenant circuit breakers. (Order one breaker per socket.) See **Page V1-T5-98**.
4. Select required accessories. See **Page V1-T5-136**.

Product Selection

Meter Packs

Aluminum Bus—Main Lugs Not Included—See Page V1-T5-98

Socket Ampere Rating	Number of Meter Sockets	Bus Ampere Rating	Main Tenant Breaker Type (See Page V1-T5-98)	Catalog Number	Semi-Flush Flange Kit Catalog Number
Ring Style Meter Socket Covers ^①					
125 ^②	2 ^④	200	Plug-on type	1MP2122R ^{⑤⑥}	1MPSFK1
125 ^②	3	400	BR_	1MP3124R ^⑥	1MPSFK2
125 ^②	4	400	BRH_	1MP4124R ^⑥	1MPSFK2
125 ^②	5 ^④	600	BRHH_	1MP5126R ^⑥	1MPSFK3
125 ^②	6 ^④	600	—	1MP6126R ^⑥	1MPSFK3
200 ^③	2	400	Bolt-on type	1MP2204R ^⑥	1MPSFK4
200 ^③	3	600	CC2_X	1MP3206R ^⑥	1MPSFK5
200 ^③	4	600	CHH2_H2X	1MP4206R ^⑥	1MPSFK5
200 ^③	5	600	CHH2_H4X	1MP5206R ^⑥	1MPSFK6
200 ^③	6	600	CHH_X	1MP6206R ^⑥	1MPSFK6
Ringless Style Meter Socket Covers ^⑦					
125	2	200	Plug-on type	1MP2122RRL ^{⑤⑧}	1MPSFK1
125	3	400	BR_	1MP3124RRL ^⑧	1MPSFK2
125	4	400	BRH_	1MP4124RRL ^⑧	1MPSFK2
125	5	600	BRHH_	1MP5126RRL ^⑧	1MPSFK3
125	6	600	—	1MP6126RRL ^⑧	1MPSFK3
200	2	400	Bolt-on type	1MP2204RRL ^⑧	1MPSFK4
200	3	600	CC2_X	1MP3206RRL ^⑧	1MPSFK5
200	4	600	CHH2_H2X	1MP4206RRL ^⑧	1MPSFK5
200	5	600	CHH2_H4X	1MP5206RRL ^⑧	1MPSFK6
200	6	600	CHH_X	1MP6206RRL ^⑧	1MPSFK6
Ringless Style Covers with Horn Bypass ^⑦					
125	2	200	Plug-on type	1MP2122RRLB ^{⑤⑧}	1MPSFK1
125	3	400	BR_	1MP3124RRLB ^{⑧⑨}	1MPSFK2
125	4	400	BRH_	1MP4124RRLB ^{⑧⑨}	1MPSFK2
125	5	600	BRHH_	1MP5126RRLB ^{⑧⑨}	1MPSFK3
125	6	600	—	1MP6126RRLB ^{⑧⑨}	1MPSFK3
200	2	400	Bolt-on type	1MP2204RRLB ^{⑧⑨}	1MPSFK4
200	3	600	CC2_X	1MP3206RRLB ^{⑧⑨}	1MPSFK5
200	4	600	CHH2_H2X	1MP4206RRLB ^{⑧⑨}	1MPSFK5
200	5	600	CHH2_H4X	1MP5206RRLB ^{⑧⑨}	1MPSFK6
200	6	600	CHH_X	1MP6206RRLB ^{⑧⑨}	1MPSFK6

Notes

- ① Ring Style Meter Packs do not come with fifth jaw. Order **1MM5JK** if needed.
- ② To change in field from ring to ringless—order **1MMRC125**.
- ③ To change in field from ring to ringless—order **1MMRC200**.
- ④ To change from ring to ringless covers, the top socket only in 2, 5 and 6 socket designs—order **1MMRC125T**. Top socket only.
- ⑤ Main lugs included. #6–300 kcmil. (Optional lugs are not available.)
- ⑥ For overhead use, order DS_H2 type hub.
- ⑦ Fifth jaw factory installed at 9 o'clock position.
- ⑧ For overhead use, order DS type hub.
- ⑨ To order with raceway provision in bottom endwall, add "T" suffix to the catalog number. Trough accessory catalog number is **1008934CH**.

See **Page V1-T5-98** for Main Lug Kit selection and Wire Sizes.

Copper Bus—Main Lugs Not Included—See Page V1-T5-98

Socket Ampere Rating	Number of Meter Sockets	Bus Ampere Rating	Main Tenant Breaker Type (See Page V1-T5-98)	Catalog Number	Semi-Flush Flange Kit Catalog Number
Ring Style Meter Socket Covers ①					
125 ②	2 ④	200	Plug-on type	1MP2122RC ⑥	1MPSFK1
125 ②	3	400	Plug-on type	1MP3124RC ⑦	1MPSFK2
125 ②	4	400	BR_	1MP4124RC ⑦	1MPSFK2
125 ②	5 ④	600	BRH_	1MP5126RC ⑦	1MPSFK3
125 ②	6 ④	600	BRHH_	1MP6126RC ⑦	1MPSFK3
200 ③	2	400	Bolt-on type	1MP2204RC ⑦	1MPSFK4
200 ③	3	600	CC2_X	1MP3206RC ⑦	1MPSFK5
200 ③	4	600	CHH2_H2X	1MP4206RC ⑦	1MPSFK5
200 ③	5	600	CHH2_H4X	1MP5206RC ⑦	1MPSFK6
200 ③	6	600	CHH_X	1MP6206RC ⑦	1MPSFK6
Ringless Style Meter Socket Covers ⑤					
125	2	200	Plug-on type	1MP2122RRLC ⑦	1MPSFK1
125	3	400	Plug-on type	1MP3124RRLC ⑦	1MPSFK2
125	4	400	BR_	1MP4124RRLC ⑦	1MPSFK2
125	5	600	BRH_	1MP5126RRLC ⑦	1MPSFK3
125	6	600	BRHH_	1MP6126RRLC ⑦	1MPSFK3
200	2	400	Bolt-on type	1MP2204RRLC ⑦	1MPSFK4
200	3	600	CC2_X	1MP3206RRLC ⑦	1MPSFK5
200	4	600	CHH2_H2X	1MP4206RRLC ⑦	1MPSFK5
200	5	600	CHH2_H4X	1MP5206RRLC ⑦	1MPSFK6
200	6	600	CHH_X	1MP6206RRLC ⑦	1MPSFK6
Ringless Style Covers with Horn Bypass ⑤					
125	2	200	Plug-on type	1MP2122RRLBC ⑦	1MPSFK1
125	3	400	Plug-on type	1MP3124RRLBC ⑦	1MPSFK2
125	4	400	BR_	1MP4124RRLBC ⑦	1MPSFK2
125	5	600	BRH_	1MP5126RRLBC ⑦	1MPSFK3
125	6	600	BRHH_	1MP6126RRLBC ⑦	1MPSFK3
200	2	400	Bolt-on type	1MP2204RRLBC ⑦	1MPSFK4
200	3	600	CC2_X	1MP3206RRLBC ⑦	1MPSFK5
200	4	600	CHH2_H2X	1MP4206RRLBC ⑦	1MPSFK5
200	5	600	CHH2_H4X	1MP5206RRLBC ⑦	1MPSFK6
200	6	600	CHH_X	1MP6206RRLBC ⑦	1MPSFK6

Notes

- ① Ring Style Meter Packs do not come with fifth jaw. Order **1MM5JK** if needed.
- ② To change in field from ring to ringless—order **1MMRC125**.
- ③ To change in field from ring to ringless—order **1MMRC200**.
- ④ To change in field from ring to ringless covers, the top socket only in 5 to 6 socket design—order **1MMRC125T**. Top socket only—other sockets see ②.
- ⑤ Fifth jaw factory installed at 9 o'clock position.
- ⑥ For overhead use, order DS_H2 type hub.
- ⑦ For overhead use, order DS_MH type hub.

1MPLK3



Main Lug Selection—Field-Installed Lugs for 400 or 600A Main Bus

Line Lug and Wire Sizes Order Separately and Field Install	Line Lug Kit Catalog Number Order Three Kits (For Two Lines and Neutral)
(1) #6–600 kcmil or (2) 2/0–250 kcmil	1MPLK1
(2) 250–500 kcmil	1MPLK3
(3) #4–300 kcmil	1MPLK4 ①
(1) 750 kcmil	1MPLK2 ②
Crimp lug landing pad 250–750 kcmil	1MPSC1 ①

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Wire Sizes—Neutral and Ground Lugs

Description	Wire Size, Al/Cu	Catalog Number
Neutral—125A meter pack	#6–2/0	—
Neutral—200A meter pack	#1/0–300 kcmil	—
Equipment ground bar—125A meter pack	#14–#2	—
Equipment ground bar—200A meter pack	#14–2/0	—
Optional ground bar	#6–2/0	1MMGBK

Notes

- ① This kit comes with three pads for two lines and neutral. Each pad will accept one or two crimp lugs. Cannot be used on **1MP2122R, RL, RC** and **RLB** EUSERC underground termination.
- ② This lug is not UL listed.

Each stack includes a neutral and ground bar. If an extra ground bar is needed, order **1MMGBK**.

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Type CCV 120/240V Tenant Main Circuit Breaker

Product Description

Type CCV 120/240V Tenant Main Circuit Breaker, 10 and 25 kAIC, 100–225A.

Features

- Ratings—120/240 Vac, two-pole, through 225 continuous amperes, calibrated at 40°C
- Tripping characteristics—thermal-magnetic trip, calibrated and sealed after assembly. Indirectly heated thermal tripping bimetal elements
- Interrupting capacity at 120/240 Vac. Type CCV—10 kAIC rms symmetrical. Type CCVH—25 kAIC rms symmetrical
- Handles—trip-free with ON-TRIPPED-OFF positions. Reset past OFF is required to latch breaker contacts after tripping
- Terminals—standard lugs (wire connectors) suitable for copper or aluminum wire
- Backward compatibility—CCV and CCVH retains same profile and footprint of the CC and CCH breaker, allowing use in the same applications

Standards and Certifications

- Complies with UL Standard 489. Breakers are listed under UL File #E7819



Product Selection

Type CCV 120/240V Tenant Main Circuit Breaker

Ampere Rating	Two-Pole Breaker		
	Wire Size Range, Al/Cu		
	10 kAIC	25 kAIC	
100	#2–300 kcmil	CCV2100	CCVH2100
125		CCV2125	CCVH2125
150		CCV2150	CCVH2150
175		CCV2175	CCVH2175
200		CCV2200	CCVH2200
225		CCV2225	CCVH2225

Terminal Options

Terminal configurations available by adding the following designator on the suffix:

- W—No terminals
- X—load side terminals only
- Y—line side terminals only

Main Tenant Circuit Breakers



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Meter Packs—1MP, 1MM and 3MM Main Tenant Circuit Breakers

Product Description

Specific main tenant circuit breakers that are to be used in meter packs (1MP), residential meter stacks (1MM) and three-phase in single-phase out meter stacks (3MM).







Product Selection

Aluminum Bus—Main Lugs not included—See Page V1-T5-97

Description	Number of Poles	Main Tenant Circuit Breaker Ampere Rating	10 kAIC Catalog Number	22 kAIC Catalog Number	25 kAIC Catalog Number	42 kAIC Catalog Number	100 kAIC Catalog Number
Plug-on type circuit breakers used with 1MP, 1MM and 3MM 125A modular metering stacks 200	2	60	BR260	BRH260	—	BRHH260	—
	2	70	BR270	BRH270	—	BRHH270	—
	2	80	BR280	BRH280	—	BRHH280	—
	2	90	BR290	BRH290	—	BRHH290	—
	2	100	BR2100	BRH2100	—	BRHH2100	—
	2	110	BR2110	BRH2110	—	BRHH2110	—
	2	125	BR2125	BRH2125	—	BRHH2125	—
Bolt-on type circuit breakers used with 1MP, 1MM and 3MM 200A modular metering stacks	2	60	—	—	CHH2060H2X	CHH2060H4X	CHH2060X
	2	70	—	—	CHH2070H2X	CHH2070H4X	CHH2070X
	2	80	—	—	CHH2080H2X	CHH2080H4X	CHH2080X
	2	90	—	—	CHH2090H2X	CHH2090H4X	CHH2090X
	2	100	CCV2100X	—	CHH2100H2X	CHH2100H4X	CHH2100X
	2	125	CCV2125X	—	CHH2125H2X	CHH2125H4X	CHH2125X
	2	150	CCV2150X	—	CHH2150H2X	CHH2150H4X	CHH2150X
	2	175	CCV2175X	—	CHH2175H2X	CHH2175H4X	CHH2175X
	2	200	CCV2200X	—	CHH2200H2X	CHH2200H4X	CHH2200X

Accessories

1MP, 1MM and 3MM Modular Metering Stacks

	Description	Application	Catalog Number
	Fifth jaw kit	Bolted onto neutral in the 3, 6 or 9 o'clock position. Typically used on network metering systems (three-phase in/single-phase out) or when specified by utility company.	1MM5JK
	Isolated fifth jaw kit	Connects to the neutral with an insulated wire.	1MM5JKOP
	Manual bypass kit (ring style socket only)	For use with 125A sockets only. (Not top socket.)	1MMBPM125
		For use with 200A sockets only. (Not top socket.)	1MMBPM200
		This kit only to be used for top position of two- and three-high 125A 1MM and 3MM stacks and of 2, 5 and six-position 125A 1MP packs.	1MMBPM125T
		This kit only to be used for top position of 200A two-position 1MP packs.	1MMBPM200T
	Horn bypass	Used only on ringless cover stacks, kits can be installed on 125A or 200A sockets.	1MMBPH
		Note: For 1MP2122RRL use:	WCG8HB ①
	Lexan blank cover	Circular cover mounted on ring or ringless devices preventing access to meter socket while meter is not in place. Includes four plastic tabs that plug into each jaw.	1MMPCP
		Same as 1MMPCP minus the tabs located in the back to plug into jaws. This device to be used while meter bypass jumpers are in place (1MMBPJ).	1MMACP
	Blank meter socket cover	Used for 125A stacks. Fits bottom socket only. Kit replaces existing meter cover preventing access to meter socket. Includes hasp for seal.	1MMBC125B
	Wall mounting rail	Used on 200A stacks. Fits bottom socket only. Kit replaces existing meter cover preventing access to meter socket. Includes hasp for seal.	1MMBC200B
		Rails are 4 feet (1.2m) in length. Bolted on wall for stacks, packs and mains to be hung.	1MMWB
	Bussed spacer	Bussed spacer 1200A 4-inch (101.6 mm). Required when stacks are mounted on right-hand side in EUSERC areas. (copper)	3MMBSK ②
		Bus duct riser/meter center connection	Available in 400, 600, 800A main fusible units only. Contact product line for details.

Notes

- ① WCG8HB only applies to meter packs built prior to 1998. Current meter packs use **1MMBPH**.
- ② Must be used when mounting MCB main next to an MTB main or another MCB main device.

Accessories for 1MP, 1MM and 3MM Modular Metering Stacks, continued

Indoor Corner Elbow



Description	Application	Catalog Number	
Indoor corner elbow (copper)	12-inch (304.8 mm) indoor corner elbow, 1200A, three-phase, four-wire for use with 1MM and 3MM only. Do not use with 35MM, 37MM, 35SS or 37SS stacks. 12-inch corner elbow not EUSERC approved.	3MMEB12	
Indoor corner elbow (copper)	16-inch (406.4 mm) indoor corner elbow, 1200A, three-phase, four-wire for use with 1MM, 3MM, 35MM, 37MM, 35SS and 37SS.	3MMEB16	
Barrier	Barrier for individual sockets	1MMBK	
Meter jumper and cover	Combination meter jumper and cover (200A maximum). Used to jumper line and load jaws as well as cover meter socket preventing exposure to current carrying parts.	1MMJCK	
Lug block	125A two-pole lug block assembly.	BRSF125	
Standard Sealing Ring	Sealing ring	Standard (included with packs and stacks) ①	
		Stainless steel screw type	1MMSR1
		Stainless steel snap type	1MMSR4
		Aluminum screw type with locking provisions	1MMSR5
Top endwall	125A, NEMA 1 top end wall with knockouts for 1MM, 3MM meter stacks	MM12N1WLK	
	200A, NEMA 1 top end wall for 1MM, 3MM meter stacks	MM20N1WLK	

Standard Sealing Ring



Note

① Aluminum Snap Type.

Renewal Parts

1MP, 1MM and 3MM Replacement Parts






	Description	Application	Catalog Number	
Ringless Cover 	Ringless cover (can install this to go from ring to ringless)	Installed on 125A socket for ringless security	1MMRC125	
		Installed on 200A socket for ringless security	1MMRC200	
		For use with top position of 125A, two- and three-position, 1MM and 3MM stacks and two-, five- and six-position 1MP packs	1MMRC125T	
		Top-position two position IMP	1MMRC200T	
Ring Cover 	Ring cover	Installed on 125A socket for ring security	1MMCP1	
		Installed on 200A socket for ring security	1MMCP2	
		Top socket ring cover 125A	1MMCP1T	
		Top socket ring cover 200A	1MMCP2T	
Tenant Breaker Cover 	Tenant breaker hinged cover	125A cover	1MMBC1	
		200A cover	1MMBC2	
Meter Socket 	Meter socket ^①	125 and 200A	1MMMS	
		Bus bar end cap	Flat—left side	47-24139A
			Bump—right side	47-28172-2A
		Main circuit breaker cover kit (black)		49-7060

Notes

^① Meter Packs **1MP2122RRL** and **1MP2122RRLB** use different meter sockets. See Renewal Parts listing RP.32A.01A.T.E for details.

See **RP00501001E** for a complete Renewal Parts listing.

Accessories for 35MM and 37MM Modular Metering Stacks

Description	Application	Catalog Number	
Wall mounting rail	Rails are 4 feet (1.2m) in length. Bolted on wall for stacks, packs and mains to be hung.	1MMWB	
Indoor corner elbow (copper)	16-inch (406.4 mm) indoor corner elbow, 1200A, three-phase, four-wire for use with 1MM, 3MM, 35MM, 37MM, 35SS and 37SS.	3MMEB16	
Handle insulator	Each meter block includes a lever bypass. This kit includes the sleeve which slides onto the lever handle.	37MMHC	
Barrel Lock Bracket Kit 	Barrel lock bracket kit	Needed when using barrel lock security.	37MMBLK
Totalizing Jumper Kit 	Totalizing jumper kit	Used if one socket is to meter two tenant feeds. When ordering jumper kit, should also order a plastic cover plate (1MMPCP + IMMJCK) preventing access to live parts on unused socket.	37MMTJK
EHD Breaker Mounting Kit 	EHD breaker mounting kit	Bolt-on breaker provisions are set up to accept CC/CHH breaker styles. If an EHD breaker is needed, each breaker requires one mounting kit.	37MMCBK
Blank Cover Kit 	Blank cover kit	Kit replaces meter cover preventing access to socket.	37MMCK ① 37MMCKA ②
	Barrier	Barrier for individual sockets	37MMBK
Three-Phase to Single-Phase Conversion Kit 	Three-Phase to single-phase conversion kit	This kit will convert one three-phase meter socket (37MM devices) to a single-phase socket. Only needed if phasing A-C or C-B. If single-phase socket is to be phased A-B, kit is not required for field conversion. (Must use three-phase breaker.)	37MM1CK
	Bus duct riser/ meter center connection	Available in 400, 600, 800A Main fusible units and 400, 600, 800, 1000, 1200 main circuit breaker. Contact product line for details.	—
	Anti-inversion clip	This clip should be inserted into upper right hand jaw of a 320A meter socket. The purpose is prevent a 200A meter from being inserted into a 320A meter socket.	37MMINVCLIP

Notes

- ① For all units made 10/2002 and earlier.
- ② For all units made after 11/2002.

Renewal Parts

35MM and 37MM Modular Metering Stacks

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35MM Replacement Meter Socket



Description	Application	Catalog Number
35MM replacement meter socket	To replace meter socket with lever bypass and jaw release.	MSLMSA1
37MM replacement meter socket	To replace meter socket with lever bypass and jaw release.	MSLMSA2

37SS Replacement Meter Socket



35SS replacement meter socket	To replace meter socket with test bypass disconnect feature	MSTMSA1
37SS replacement meter socket	To replace meter socket with test bypass disconnect feature	MSTMSA2
Safety socket meter cover assembly	To replace ring type cover over the meter prior to 7/1/02.	MSTMCVR1
Safety socket meter cover assembly	To replace ring type cover over the meter after 7/1/02	MSTMCVR1E

Meter Cover Assembly



35MM and 37MM meter cover assembly	Prior to 12/1/02	37MMSK
	After 12/1/02	37MMSK1
Meter cover assembly with NJ latch	To replace ringless cover over the meter. Includes New Jersey latch requirement.	37MMSKNJ
Tenant breaker hinged cover	To replace cover over tenant breakers.	1MMBC2
Bus bar end cap	Flat—left side	47-24139A
	Bump—right side	47-28172-2A
Main circuit breaker cover/CIT (black)		49-7060

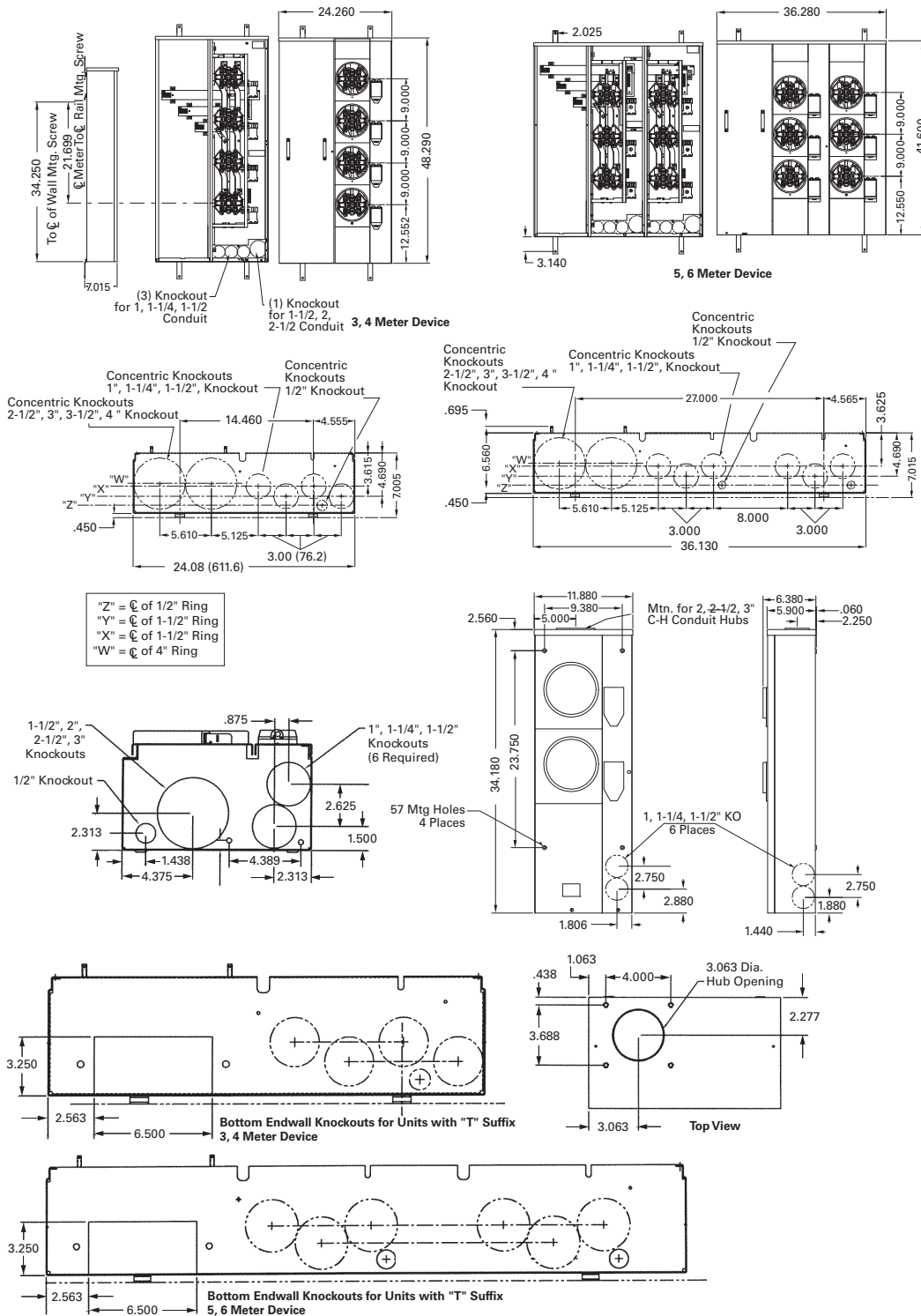
Note

See **RP.32A.01.T.E** for a complete Renewal Parts listing.

Dimensions and Knockouts

Approximate Dimensions in Inches (mm)

1MP, 125 Ampere Meter Packs—Aluminum and Copper Bus



5.11 Metering Products

Group Metering

Approximate Dimensions in Inches (mm)

1MP, 200 Ampere Meter Packs—Aluminum and Copper Bus

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