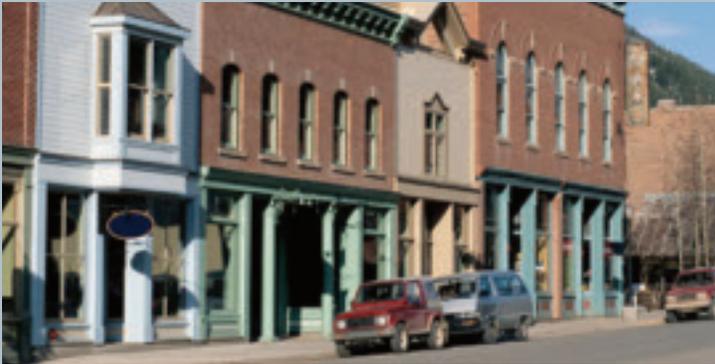


West Coast Metering Selection and Application Guide

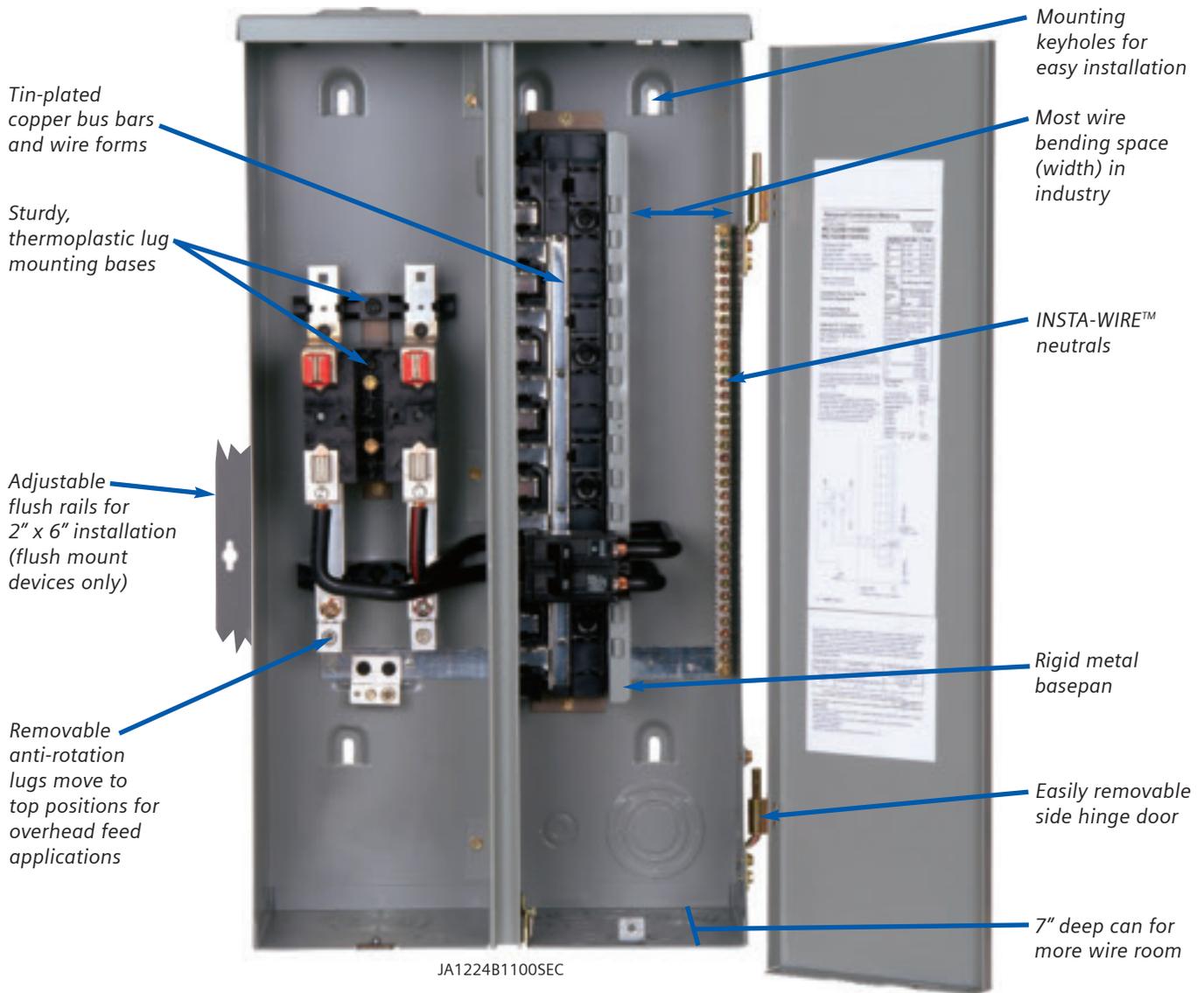


MURRAY

Combination Meter Sockets

Overhead and Underground Feed

Features and Benefits



Catalog Number Logic

Example: JA1224B1100FEC

JA	12	24	B	1	100	FEC
JA = Meter Combination JC = Meter Main	Spaces	Circuits	B = Main Breaker L = Main Lug	1 = Single Phase	Amperage	F = Semi-Flush S = Surface E = EUSERC C = OH/UG Feed (side-by-side) D = UG Feed Only (over under) M = Field Added 2nd Main W = Wide Load Center (not between the studs) SS = Test Block Bypass Socket

EUSERC Approved Meter Main and Meter Load Centers (100-200A) Overhead and Underground Feed

FEATURES

- UL listed
- Outdoor type 3R enclosure
- Meets or exceeds EUSERC requirements
- 22,000 AIC rated
- Surface and semi-flush units available. Semi-flush rails are depth adjustable
- Side-hinged door with one screw removal
- Load wiring may exit top or bottom on flush devices
- Suitable for use only as service entrance equipment
- RX type hub provision on top endwall (surface devices), HC type hub provision on bottom endwall
- 5th jaw accessory available (ECMC5J)
- Ring type meter covers
- Contact local utility to confirm meter socket placement prior to installation
- See end of section for dimensions and wiring diagrams



BETWEEN STUDS CONSTRUCTION

Amps Max.	Main Breaker Catalog No.	Mounting	No. of Spaces	Max. Circuits	New Style Catalog Number	Old Style Catalog Number	Dimensions (inches) ④			K.O. Fig.
							Height	Width	Depth	
100	MP2100KH	Flush	12	24	JA1224B1100FEC	JA112CW	26-9/16	14-1/2	7-1/2	2
100	MP2100KH	Surface	12	24	JA1224B1100SEC	JA112CY	26-9/16	14-1/2	7-1/2	1
100	MP2100KH	Flush	16	32	JA1632B1100FEC	-	30-9/16	14-1/2	7-1/2	2
100	MP2100KH	Surface	16	32	JA1632B1100SEC	-	30-9/16	14-1/2	7-1/2	1
125	MP2125KH	Flush	12	24	JA1224B1125FEC	JA412CW	26-9/16	14-1/2	7-1/2	2
125	MP2125KH	Surface	12	24	JA1224B1125SEC	JA412CY	26-9/16	14-1/2	7-1/2	1
125	MP2125KH	Flush	16	32	JA1632B1125FEC	JA416CW	30-9/16	14-1/2	7-1/2	2
125	Types MP-T and MP-HT	Flush	4	6	JC0406L1125FEC ①	JA004CW	26-9/16	14-1/2	7-1/2	2
125		Surface	4	6	JC0406L1125SEC ①	JA004CY	26-9/16	14-1/2	7-1/2	1
200	MEQ9985	Flush	24	42	JA2442B1200FEC	JA220VH	40-9/16	14-1/2	7-1/2	2
200	MEQ9985	Surface	24	48	JA2442B1200SEC	JA220RK	40-9/16	14-1/2	7-1/2	1
200	Types MD-T, MD-HT, MP-T and MP-HT	Flush	4	6	JC0406L1200FEC ①	JA904CY	30-9/16	14-1/2	7-1/2	2
200		Surface	4	6	JC0406L1200SEC ①	JA904CW	30-9/16	14-1/2	7-1/2	1

WIDE LOAD CENTER CONSTRUCTION

Amps Max.	Main Breaker Catalog No.	Mounting	No. of Spaces	Max. Circuits	New Style Catalog Number	Old Style Catalog Number	Dimensions (inches) ④			K.O. Fig.
							Height	Width②	Depth	
200	MPD2200KH	Surface ③	30	40	JA3040B1200SECW ⑤	JA232CY	32-1/4	21	5-1/8	3
200	MPD2200KH	Surface ③	30	40	JA4040B1200SECW ⑤	JA240CY	32-1/4	21	5-1/8	3

① Main breaker not included.

② 21" width will not fit between typical 16" center stud construction.

③ For flush mounting, use flush rail kit ECFRK1.

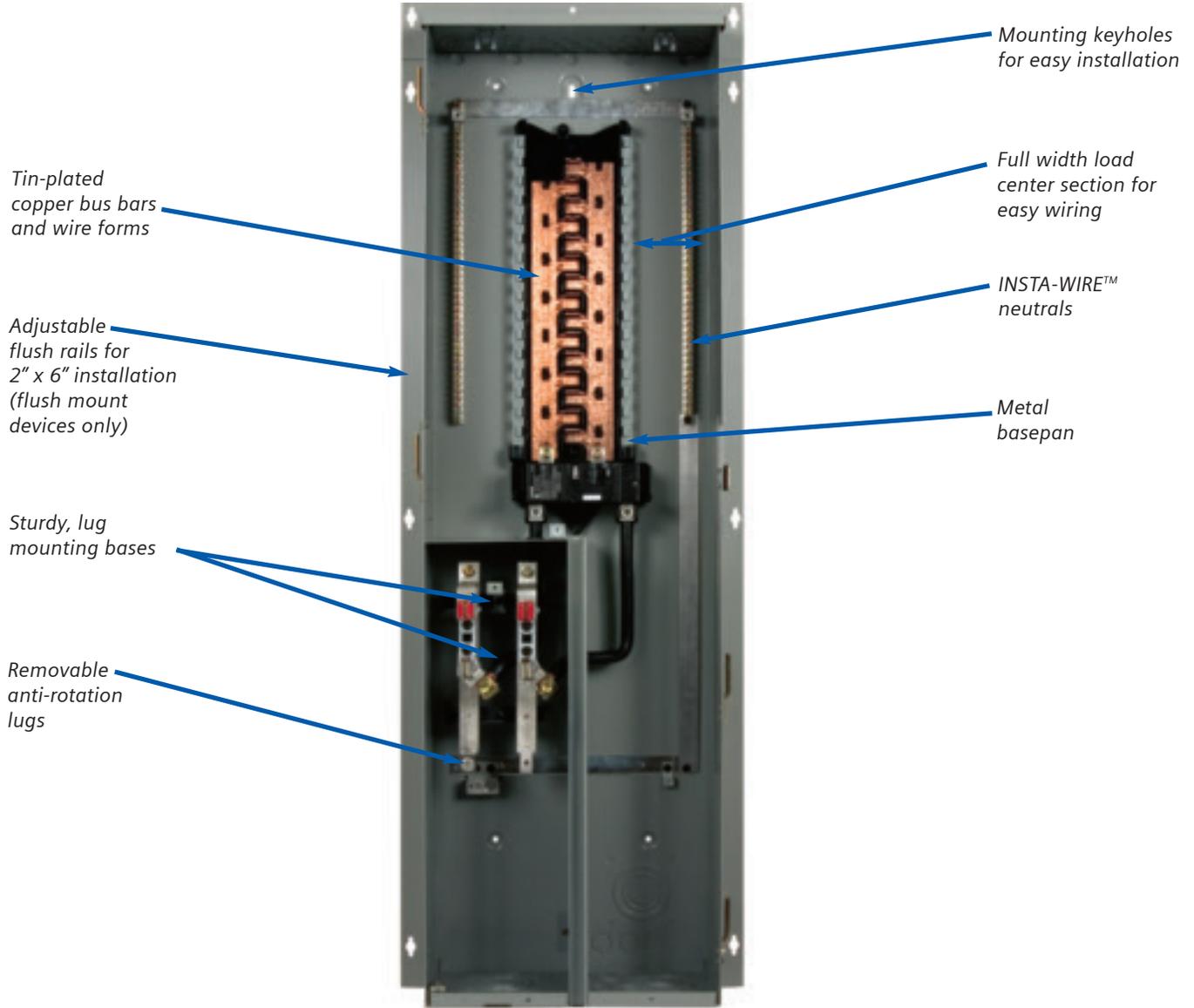
④ Dimensions shown are representative of outside box dimensions and do not include allowances for protrusions. Dimensions are subject to change.

⑤ Meter combo has a full width load center section with a plastic basepan.

Combination Meter Sockets

Underground Feed Only

Features and Benefits



JA3042B1200FED



EUSERC Approved Meter Main and Meter Load Centers (200-225A) Underground Feed Only

FEATURES

- UL listed
- Meets or exceeds EUSERC requirements
- 22,000 AIC rated
- Surface and semi-flush units available. Semi-flush rails are depth adjustable
- Side-hinged door with one screw removal
- Load wiring may exit top or bottom on flush mount devices
- Suitable for use only as service entrance equipment
- RX type hub provision on top endwall (surface devices), and HC type hub provision on bottom endwall
- 5th jaw accessory available (ECMC5J)
- Ring type meter covers
- Contact local utility to confirm meter socket placement prior to installation
- See end of section for dimensions and wiring diagrams



JA1212L1200SED



JA3042B1200FED

BETWEEN THE STUDS CONSTRUCTION

Main Amps	Main Breaker	No. of Spaces	No. of Circuits	Mounting	New Catalog Number	Old Style Catalog Number	Dimensions (inches) ③			K.O. Fig.
							Height	Width	Depth	
200	N/A	12	12	Flush	JA1212L1200FED ①②	N/A	38-3/8	14-1/2	7-1/2	4
200	N/A	12	12	Surface	JA1212L1200SED ①②	N/A	38-3/8	14-1/2	7-1/2	3
200	MBK200M	20	40	Surface	JA2040B1200SED	N/A	41-7/8	14-1/2	7-1/2	4
200	MBK200M	20	40	Flush	JA2040B1200FED	JA220CW	41-7/8	14-1/2	7-1/2	3
200	MBK200M	30	42	Surface	JA3042B1200SED	N/A	48-3/8	14-1/2	7-1/2	4
200	MBK200M	30	42	Flush	JA3042B1200FED	N/A	48-3/8	14-1/2	7-1/2	3
225	MBK225M	30	42	Surface	JA3042B1225SED	N/A	48-3/8	14-1/2	7-1/2	4
225	MBK225M	30	42	Flush	JA3042B1225FED	N/A	48-3/8	14-1/2	7-1/2	3

① Suitable for use as service entrance equipment when not more than six main disconnecting means are provided and when not used as a lighting and appliance branch circuit panel.

② Main breaker not included.

③ Dimensions shown are representative of outside box dimensions and do not include allowances for protrusions. Dimensions are subject to change.

EUSERC Commercial Metering Single Sockets

SINGLE COMMERCIAL SAFETY SOCKETS

DESIGN / PERFORMANCE FEATURES

- Outdoor/Indoor – one design for either installation.
- Ring Type – meets requirements for various ring type locking provisions.
- Line and load top or bottom to meet overhead or underground requirements.

SYSTEMS / SPECIFICATIONS

- 100/200 amp maximum meter
- 120/240V AC, 1 phase 3 wire, 4 jaw
- 208Y/120V AC, 3 wire network, 5 jaw or 3 phase, 4 wire, 7 jaw
- 240V AC, 1 phase 3 wire, 3 phase 3 wire, or 3 phase 4 wire, 4, 5 or 7 jaw
- 600V AC, 1 phase 3 wire, 3 phase 3 wire, or 3 phase 4 wire, 4, 5 or 7 jaw
- 10,000 to 100,000 AIC
- EUSERC SEC #300



UAT427-XMWR

In addition to local code and National Electrical Code requirements, the serving utility may have special requirements for metering devices. Confirm meter socket acceptance prior to order placement.



MS14TB

RING TYPE RESIDENTIAL SOCKETS (NO DISCONNECT) 600V AC MAX. ①

1 PHASE 3 WIRE

Amps Cont. Duty	Service	Catalog Number	Lugs	No. of Jaws	5th Jaw	Hub	Dimensions (inches) ②			K.O. Fig.
							Height	Width	Depth	
135	OH/UG	SUAT121-0GWR	#14-2/0	4	EC659-0121	RX	11.70	8.00	3.70	19
135	OH	SUAT121-BGWR	#14-2/0	4	EC659-0121	1-1/4" Inst.	11.70	8.00	3.70	19
135	UG	SUAT121-PGWR	#14-2/0	4	EC659-0121	RX	11.70	8.00	3.70	19
200	OH	SUAT327-0GWR	#6-350 kcmil	4	EC659-0121	RX.	14.80	8.00	4.50	20
200	OH/UG	SUAT427-XMWR	#6-350 kcmil	4	EC659-0121	RX.	14.80	11.00	4.50	21
200	UG	SUAT427-PMCO	#6-350 kcmil	5	Installed	RX.	14.80	11.00	4.50	22

RING TYPE COMMERCIAL SAFETY SOCKETS (NO DISCONNECT) 600V AC MAX., TEST BLOCK BYPASS

Amps Cont. Duty	Catalog Number	Load	Lugs	No. of Jaws	5th Jaw	Hub	Dimensions (inches) ②			K.O. Fig.
							Height	Width	Depth	
1 PHASE 3 WIRE										
100	MS14TB	Top & Bottom Exit	#6-2/0 box lug	4	UX001WL	RX	24.00	12.50	4.88	5
200	MS24TB	Top & Bottom Exit	#1/0-250 kcmil	4	UX005B	HC	30.00	14.25	6.38	6
3 PHASE 3 WIRE										
100	MS15TB ③	Top & Bottom Exit	#6-2/0 box lug	5	Installed	RX	24.00	12.50	4.88	5
200	MS25TB ④	Top & Bottom Exit	#1/0-250 kcmil	5	Installed	HC	30.00	14.25	6.38	6
3 PHASE 4 WIRE										
100	MS17TB	Top & Bottom Exit	#6-2/0 box lug	7	–	RX	24.00	12.50	4.88	5
200	MS27TB	Top & Bottom Exit	#1/0-250 kcmil	7	–	HC	30.00	14.25	6.38	6

① Sockets are UL listed for OH or UG service as indicated, but do not meet EUSERC specifications. Sealing ring included.

② Dimensions shown are representative of outside box length, width and depth, and do not include allowances for mounting bumps, endwalls, covers hubs or hardware protrusions.

③ 5th jaw at 9 o'clock.

④ 5th jaw at 6 o'clock.

EUSERC Commercial Metering

400A CT Meter Cabinets

FEATURES

- Rated up to 600 volts
- 200A and 400A services
- Accepts bar-type CTs
- Indoor (Type 1) and outdoor (Type 3R) rated
- EUSERC approved
- 4-15 terminal available

CT MOUNTING BASES 400A MAX.

Catalog Number	Service	Max. AIC	Wire Range
RT6019A	1 phase/ 3 phase 3 wire	10	(2) NEMA Studs
RT6019HA	1 phase	50	(2) NEMA Studs
RT6067A	3 phase/ 4 wire	10	(2) NEMA Studs
RT6067HA	3 phase/ 4 wire	50	(2) NEMA Studs

400A TRANSFORMER RATED CT-METER CABINET (NO DISCONNECT) 600V AC MAX. ①

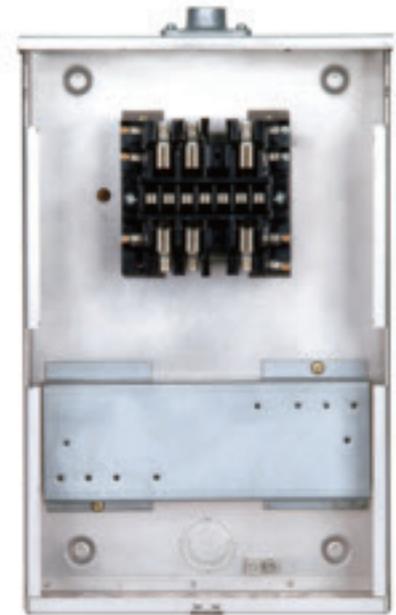
Amps Cont. Duty ③	Catalog Number	Service	No. of Jaws	Hub	Dimensions (inches) ②			K.O. Fig.
					Height	Width	Depth	
1 PHASE 3 WIRE								
400	RTU121814	UG	4	–	52.00	24.00	11.00	11
400	RTU121815	UG	5	–	52.00	24.00	11.00	11
3 PHASE 3 WIRE								
400	RTU121818	UG	8	–	52.00	24.00	11.00	11
3 PHASE 3 WIRE OR 3 PHASE 4 WIRE								
400	RTU121413 ④	OH/UG	13	RX	20.00	12.00	4.63	12
400	RTU122015	UG	15	–	52.00	36.00	11.00	11

① CT mounting base not included. Order from chart below.

② Dimensions shown are representative of outside box length, width and depth and do not include allowances for mounting bumps, endwalls, covers hubs or hardware protrusions.

③ CT rating. Meter socket rated at 20 amps.

④ Includes test switch provision.



9387-XXXX

Transformer Rated Sockets

FEATURES

- Ring and ringless types available
- 6, 8, and 13 terminals available
- Steel or aluminum construction
- Split or solid cover options
- Test switch provision
- Prewired units available (contact local Siemens sales office)

Cover Style	Service	Dimensions (inches)			Hub Opening	No. of Terminals	Catalog Number	
		Height	Width	Depth			Aluminum	Steel
Ring-split	OH	20	12	4.5	1" hub installed	6	–	9837-8215
Ringless	OH/UG	20	12	4.5	RX opening	6	–	9837-8245
Ringless	OH/UG	20	12	4.5	RX closure plate	8	–	9837-8405
Ringless	OH	20	12	4.5	1" hub installed	8	–	9837-8415
Ringless	OH/UG	20	12	4.5	RX opening	8	–	9837-8445
Ringless	OH/UG	20	12	4.5	RX closure plate	13	9837-8540	9837-8505
Ringless	OH	20	12	4.5	1" hub installed	13	9837-8514	9837-8515
Ringless	OH	20	12	4.5	1.25" hub installed	13	–	9837-8525
Ringless	OH	20	12	4.5	1.50" hub installed	13	–	9837-8535
Ringless	OH/UG	20	12	4.5	RX opening	13	–	9837-8545

EUSERC Commercial Metering Meter Main Combinations



MM0202F3100CESS

In addition to local code and National Electrical Code requirements, the serving utility may have special requirements for metering devices. Confirm meter socket acceptance prior to order placement.

DESIGN / PERFORMANCE FEATURES

- Outdoor/Indoor – one design for either installation.
- Ring Type – meets requirements for various ring type locking provisions.
- Test Block Bypass installed – easy servicing without interruption.
- Main Breaker field installed – adaptable to the job.
- Main T-Fuse Puller factory installed (less fuses) – adaptable to the job.

SYSTEMS / SPECIFICATIONS

- 100/200 amp maximum meter
- 120/240V AC, 1 phase 3 wire, 4 jaw
- 208Y/120V AC, 3 wire network, 5 jaw or 3 phase 4 wire, 7 jaw
- 240V AC, 1 phase 3 wire, 3 phase 3 wire, or 3 phase 4 wire, 4, 5 or 7 jaw
- 10,000 to 100,000 AIC
- EUSERC SEC #300

RING-TYPE METER MAIN COMBINATIONS (100-200A MAX.)

Test Block Bypass, 240V AC Max.													
Amps Cont. Duty	Max. AIC	Tenant Main①	Circuit Breaker Prov.	Service	Jaws	Catalog Number	Service	Dimensions (inches) ②			Wire Range AL/CU	Hub Prov.	K.O. Fig.
								Height	Width	Depth			
100	65,000	Circuit Breaker Prov.	MP-T, MP-HT, MP-MT	1 phase 3 wire	4	MM0202L1100ESS	OH	36.00	12.50	4.88	#6-2/0 Box Lug	RX	7
					7	MM0202L3100ESS	OH						7
100	100,000	T-Fuse Puller	None	1 phase 3 wire	4	MM0202F1100ESS	OH	36.00	12.50	4.88	#6-2/0 Box Lug	RX	7
					7	MM0202F1100CESS	OH/UG	24.00	20.13	4.88			9
					7	MM0202F3100ESS	OH	36.00	12.50	4.88			7
					7	MM0202F3100CESS	OH/UG	24.00	20.13	4.88			9
200	35,000	Circuit Breaker Prov.	QJ2, QJH2, HQJ2, HQJH2	1 phase 3 wire	4	MM0202L1200ESS	OH	45.00	14.25	6.38	#1/0-250 kcmil	HC	8
					7	MM0202L1200CESS	OH/UG	30.00	24.25	6.38			10
					7	MM0202L3200CESS	OH/UG	45.00	14.25	6.38			8
					7	MM0202L3200CESS	OH/UG	30.00	24.25	6.38			10
200	100,000	T-Fuse Puller	None	1 phase 3 wire	4	MM0202F1200ESS	OH	45.00	14.25	6.38	#1/0-250 kcmil	HC	8
					7	MM0202F1200CESS	OH/UG	30.00	24.25	6.38			10
					7	MM0202F3200ESS	OH	45.00	14.25	6.38			8
					7	MM0202F3200CESS	OH/UG	30.00	24.25	6.38			10

① Price does not include breaker or fuses.

② Dimensions shown are representative of outside box length, width and depth, and do not include allowances for mounting bumps, endwalls, covers, hubs or hardware protrusions.

EUSERC Commercial Metering Meter Load Center Combinations

DESIGN / PERFORMANCE FEATURES

- Outdoor/Indoor – one design for either installation.
- Ring Type – meets requirements for various ring type locking provisions.
- Test Block Bypass installed – easy servicing without interruption.
- Main Breaker factory installed.
- Main T-Fuse Puller factory installed (less fuses).
- Compact wall-hung design reduces material and labor costs.

SYSTEMS / SPECIFICATIONS

- 100/200 amp maximum meter
- 120/240V AC, 1 phase 3 wire, 4 jaw
- 240V AC, 3 phase 4 wire, 7 jaw
- 10,000 to 100,000 AIC
- EUSERC SEC #300

In addition to local code and National Electrical Code requirements, the serving utility may have special requirements for metering devices. Confirm meter socket acceptance prior to order placement.



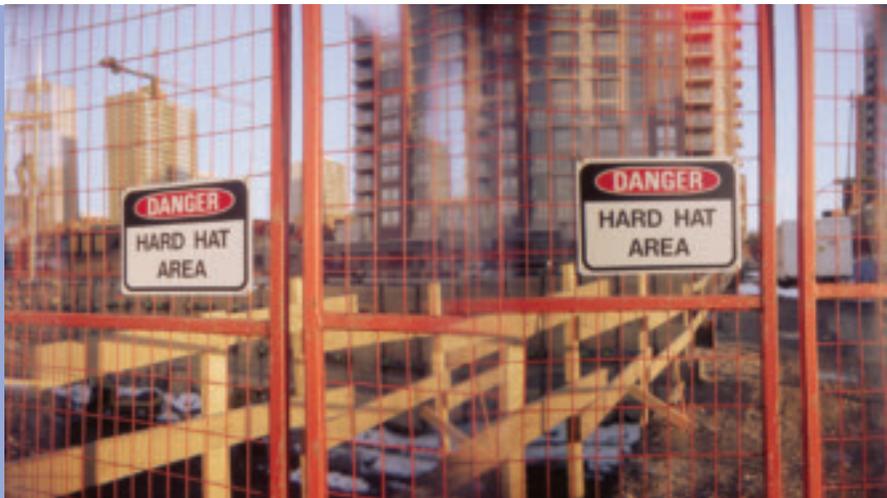
MC3040MB22SS

RING-TYPE COMMERCIAL METER LOAD CENTER COMBINATIONS (100-400A MAX.)

Test Block Bypass, 240V AC Max.													
Amps Cont. Duty	Main Breaker	No. of Spaces	Max. Circuits	Service	Catalog Number	AIC Rating		Dimensions (inches) ①			Wire Range AL/CU	Hub Prov.	K.O. Fig.
						Std. (K)	Max. (K)	H.	W.	D.			
1 PHASE – 3 WIRE, 4 JAWS, FACTORY INSTALLED MAIN BREAKER													
100	MP2100	10	20	OH	MC1020B1100ESS ②	10	65	36.00	12.50	4.88	#6-2/0 box lug	RX	11
		12	24	OH/UG	MC1224B1100CESS ②	10	42	24.00	20.13	4.88	#6-2/0 box lug	RX	12
200	MPD2200RH	24	40	OH/UG	MC2440B1200CESS ②	10	22	30.00	25.75	6.38	#1/0-250 kcmil	HC	13
320	MPD2200RH	30	30	UG	BY1451GL ⑤	22	22	40.07	30.25	5.94	1 set of 2 studs per leg	HV	18
		30	40	UG	BY1455GL ⑥	22	22	40.07	30.25	5.94	per leg	HV	18
3 PHASE – 4 WIRE, 7 JAWS, FACTORY INSTALLED T-FUSE PULLER ③													
100	T-Fuse Prov.	18	30	OH/UG	MC1830F3100CESS ④	100	100	26.00	24.25	4.88	#6-2/0 box lug	RX	14
200	T-Fuse Prov.	24	42	OH/UG	MC2442F3200CESS ④	100	100	2.00	27.25	6.38	#1/0-250 kcmil	HC	15

- ① Dimensions shown are representative of outside box length, width and depth, and do not include allowances for mounting bumps, endwalls, covers, hubs or hardware protrusions.
- ② UL listed to field change main breaker to higher AIC.
- ③ Price does not include uses.
- ④ Series rated for standard 10,000 AIC type MP-T branch circuit breakers.

- ⑤ One MPD2200RH installed. Provisions for one additional subfeed MP-T or MP-HT (100 amps max.) breaker service disconnect to feed a remote load.
- ⑥ One MPD2200RH installed. Provisions for one additional subfeed MD-TR or MD-HTR breaker type service disconnect to feed a remote load.



All-In-One Pak Metering

New and Improved!

Smaller, more compact design!
enclosures are lighter and use less wall space

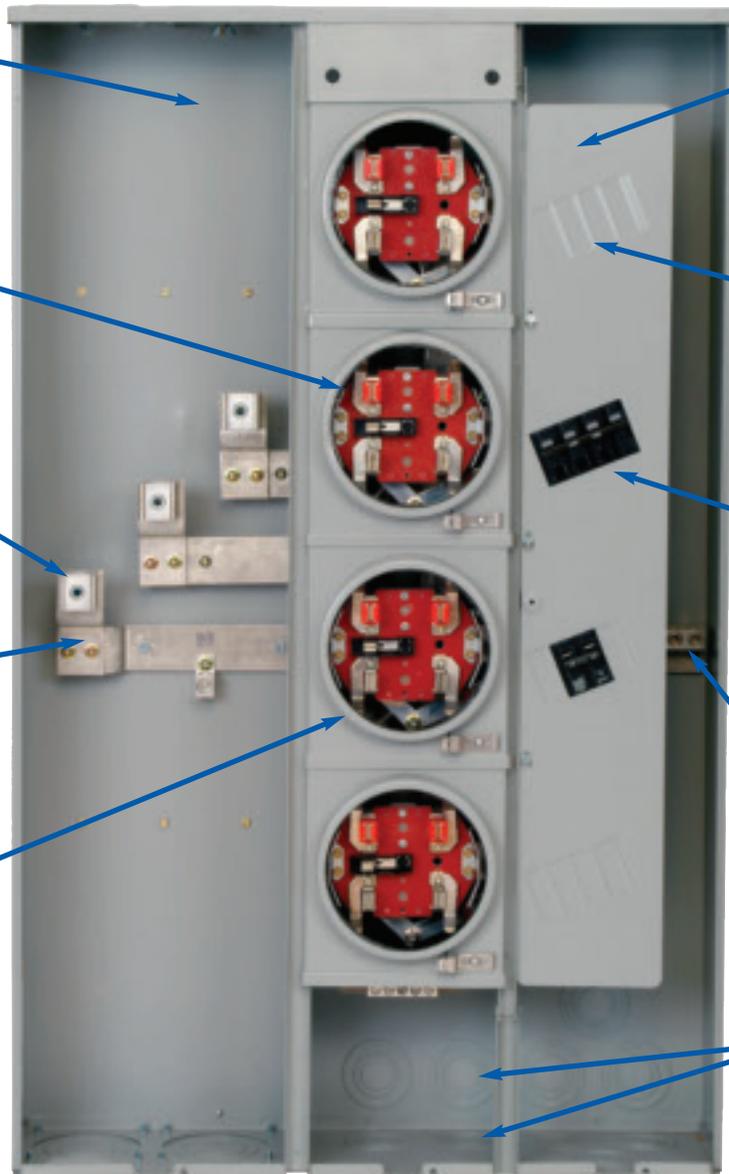
Factory options!
5th jaw and horn bypass

Double barrel connectors
available for parallel feed

Stud Kits
for line compression lugs available

More secure design!
greater utility acceptance

EUSERC designs!
All ring style designs! are EUSERC approved



Murray Exclusive

Floating deadfront!
eliminates need for cover alignment

Murray Exclusive

Deadfront knockouts!
eliminates need for filler plates

Murray Exclusive

Angled circuit breaker!
for ease of installation

Centrally located neutral
minimizes neutral conductor length

Back and Bottom Exit
for load conductors

Single piece tenant cover!
easy installation

Catalog Number Logic

Example: MP6511RJB

M

M = Murray

P

P = PAK

6

0 = No bussing
2 = 200 Amp
3 = 300 Amp
4 = 400 Amp
5 = 500 Amp
6 = 600 Amp

5

Number of Meter Sockets (2-6)

1

1 = Single Phase

1

1 = 125A Socket Rating

2 = 200A Socket Rating

RJB

R = Ringless
J = 5th Jaw
B = Horn Bypass

All-In-One Pak Metering Ring Type Units



MP2211

FEATURES

- Individual split covers.
- UL Listed for 60/75°C conductors. See equipment markings for applications.
- Outdoor surface mounted enclosures field convertible to semi-flush applications.
- Top or bottom feed.
- Back and bottom branch wiring exits.
- Meets EUSERC specifications when NEMA stud kit is field added.
- 1 phase, 4 jaw sockets, 120/240V AC Max.

1 PHASE, 3 WIRE SN											
Amps Cont. Duty Per Position	Bus Amps	Meter Positions Per Pak	Catalog Number	Circuit Breaker Provision	Max. AIC	Dimensions (inches) ①			5th Jaw ② Assembly	Line Lugs Wire Range	Semi-Flush Kit Catalog Number
						Height	Width	Depth			
125	200	2	MP2211	MP-T,	65,000	37.50	13.50	6.00	GM5J	#6-300 kcmil	P221FK
125	300	3	MP3311	MP-HT,	65,000	38.40	25.20	7.50	GM5J	#2-600 kcmil	P331FK
125	400	4	MP4411	MP-MT	65,000	47.40	25.20	7.50	GM5J	(1) 1/0-750 kcmil	P441FK
125	400	5	MP4511		65,000	38.40	39.20	7.50	GM5J	or	P4561FK
125	400	6	MP4611		65,000	38.40	39.20	7.50	GM5J	(2) 1/0-250 kcmil	P4561FK
125	500	4	MP5411		65,000	47.40	31.50	7.50	GM5J		P541FK
125	600	5	MP6511		65,000	38.40	45.20	7.50	GM5J	(2) #2-600 kcmil	P6561FK
125	600	6	MP6611		65,000	38.40	45.20	7.50	GM5J		P6561FK
200	400	2	MP4212	MP-T,	100,000	31.50	30.75	7.50	GM5J	(1) 1/0-750 kcmil	P422FK
200	400	3	MP4312	MP-HT,	100,000	38.44	30.75	7.50	GM5J	or	P432FK
200	400	4	MP4412	MP-MT,	100,000	47.44	30.75	7.50	GM5J	(2) 1/0-250 kcmil	P442FK
200	600	4	MP6412	MPP-T,	100,000	47.44	36.75	7.50	GM5J		P642FK
200	600	5	MP6512	MPP-HT,	100,000	38.44	54.44	7.50	GM5J	(2) #2-600 kcmil	P6562FK
200	600	6	MP6612	MPP-MT, MPP-PT	100,000	38.44	54.44	7.50	GM5J		P6562FK

① Dimensions shown are representative of outside box length, width and depth, and do not include allowances for mounting bumps, endwalls, covers, hubs, or hardware protrusions.

② Order Catalog No. ECMMI5J for insulated 5th jaw.

All-In-One Pak Metering Accessories

Description	Catalog Number
5TH JAW KITS	
All Types	Grounded GM5J Insulated ECMMI5J
BYPASS KITS	
Slider Bypass	100 Amp ECMBP1U 200 Amp ECMBP2U
Horn Bypass	ECHBK
COVER PLATES	
Ring Style	ECPP
Ringless Style	ECP3
SEALING RINGS	
Snap-On Type Aluminum	SRSS
Screw Type Stainless Steel	SRSW

Description	Catalog Number
FILLER PLATES	
1"	ECOF3
4" to 2"	ECCP3U
NEMA STUD KITS (Meets EUSERC Requirements)	
400 Amp Bus	NSK400
600 Amp Bus	NSK600
LUGS FOR NEMA STUD KITS	
(2) #6-350 kcmil	SUK350TA
(1) #2-600 kcmil	SUK600TA
(2) #500-1000 kcmil	SUK1000TA
ALTERNATE LUG KITS	
400 Amp Bus	PLK400
600 Amp Bus	PLK600

Description	Catalog Number
TYPE "HS" CONDUIT HUBS	
1"	ECHS100
1-1/4"	ECHS125
1-1/2"	ECHS150
2"	ECHS200
2-1/2"	ECHS250
Closure Plate	ECHS000
TYPE "HD" CONDUIT HUBS	
2"	EC56854
2-1/2"	EC56855
3"	EC56856
3-1/2"	EC56857
4"	EC56858
Closure Plate	EC56933S

Modular Metering

Service Entrance Modules – 1 Phase

FEATURES

- Mains available in fusible or circuit breaker style.
- 400-800A fusible mains and all tap boxes are invertible for top or bottom feed.
- 100,000A IC standard on fusible main disconnects and tap boxes.
- 65,000A IC standard for circuit breakers (100,000A IC versions available. Add suffix "U" to catalog number. Adder applies.)
- All mains fully bussed to connect with stacks on either side.
- End plates included.

SELECTION GUIDE

- Always check with the utility and local inspection authorities to verify all application requirements.
- Select fusible or circuit breaker main after determination of amps, volts, service, and AIC.
- Fusible mains and tap boxes are invertible for top or bottom feed. Breaker modules are available in dedicated top or bottom feed versions. Add suffix "BF" to circuit breaker mains for bottom feed.



DB042W

1 PHASE, 3 WIRE SN, INCOMING, 120/240V AC MAX.								
Ampere Rating	Max. Interrupting Rating	Outdoor Encl. Catalog Number	Fuse or Circuit Breaker Type	Service Feed	Line Terminal Lugs No. and Size Per Line and Neutral ②	Dimensions (inches) ①		
						Height	Width	Depth Outdoor
CIRCUIT BREAKER MODULES ③								
400	65,000	DB042W	JXD6	OH	(2) #1-500 kcmil	33.00	15.09	15.00
600	65,000	DB062W	LXD6	OH	(2) #1-500 kcmil	37.00	15.09	15.00
800	65,000	DB082W	MD6	OH	(3) #1/0 400 kcmil ④	43.00	20.09	15.00
1000	65,000	DB102W	ND6	OH	(4) #2-500 kcmil ⑤	50.00	20.09	15.00
1200	65,000	DB122W	ND6	OH	(4) #2-500 kcmil ⑤	50.00	20.09	15.00
1600	65,000	DB162W ⑥	PD6	OH	(5) 300-600 kcmil	62.00	25.03	17.50
FUSIBLE SWITCH MODULES ⑦⑧								
200	100,000	DPT022W ⑨	T	OH/UG	(1) #6-250 kcmil	33.00	12.00	13.00
400	100,000	DT042W	T	OH/UG	(2) #4-500 kcmil	33.50	15.00	16.00
600	100,000	DT062W	T	OH/UG	(2) #4-500 kcmil	41.50	15.00	16.00
800	100,000	DT082W	T	OH/UG	(3) #4-500 kcmil	41.50	15.00	16.00
1200	100,000	DT122W	T	UG	(4) #250-500 kcmil	50.00	20.00	15.00
TAP BOX MODULES ⑩								
800	100,000	DTB082W	–	OH/UG	(3) 1/0-400 kcmil	39.00	12.00	12.00
1200	100,000	DTB122W	–	OH/UG	(4) 250-600 kcmil	41.00	15.00	16.00
1600	100,000	DTB162W	–	OH/UG	(5) 300-600 kcmil	41.75	25.00	14.00
COMBINATION FUSIBLE SWITCH & PULL BOX MODULES (MEETS EUSERC REQUIREMENTS)								
400	100,000	DT042UW	T	UG	1 Set of 2 Studs	50.06	25.50	15.00
600	100,000	DT062UW	T	UG	1 Set of 2 Studs	50.06	25.50	15.00
800	100,000	DT082UW	T	UG	1 Set of 2 Studs	50.06	25.50	15.00
PULL BOX MODULES (NO THRU-BUS, INCLUDES LUG LANDINGS)								
400	65,000	DPB042W	–	OH/UG	1 Set of 2 Studs	37.50	16.69	9.34
800	65,000	DPB082W	–	OH/UG	1 Set of 2 Studs	45.50	19.44	12.72
1200	65,000	DPB122W	–	OH/UG	1 Set of 2 Studs	47.50	25.94	12.72

① Dimensions shown are representative of outside box length, width, and depth, and do not include allowances for mounting bumps, endwalls, covers, hubs, or hardware protrusions.
 ② Lugs may be larger than wire range given. Wire range given is according to amount of wire bend space available.

③ Main circuit breakers are top feed. Consult sales office for bottom feed applications.
 ④ Lugs rated for 500 kcmil. Wire bend space limits neutral lug to 400 kcmil.
 ⑤ Neutral on bottom feed units will only accept (2) #1-500 kcmil.

⑥ 1200 amp maximum feed per side.
 ⑦ Fuses not included
 ⑧ Fusible switches, except 1200 amp, are top feed, invertible for bottom feed.
 ⑨ Fusible pull-out switch.
 ⑩ Coupler not included.

Modular Metering

Service Entrance Modules – 3 Phase

FEATURES

- Mains available in fusible or circuit breaker style.
- 400-800A fusible mains and all tap boxes are invertible for top or bottom feed.
- 100,000A IC standard on fusible main disconnects and tap boxes.
- 65,000A IC standard for circuit breakers (100,000A IC versions available. Add suffix "U" to catalog number. Adder applies.)
- All mains fully bussed to connect with stacks on either side.
- End plates included.

SELECTION GUIDE

- Always check with the utility and local inspection authorities to verify all application requirements.
- Select fusible or circuit breaker main after determination of amps, volts, service, and AIC.
- Fusible mains and tap boxes are invertible for top or bottom feed. Breaker modules are available in dedicated top or bottom feed versions. Add suffix "BF" to circuit breaker mains for bottom feed.



DT043W

3 PHASE, 4 WIRE SN, INCOMING, 120/240V AC MAX.								
Ampere Rating	Max. Interrupting Rating	Outdoor Encl. Catalog Number	Fuse or Circuit Breaker Type	Service Feed	Line Terminal Lugs No. and Size Per Line and Neutral ②	Dimensions (inches) ①		
						Height	Width	Depth Outdoor
CIRCUIT BREAKER MODULES ③								
400	65,000	DB043W	JXD6	OH	(2) #1-500 kcmil	33.00	15.09	15.00
600	65,000	DB063W	LXD6	OH	(2) #1-500 kcmil	37.00	15.09	15.00
800	65,000	DB083W	MD6	OH	(3) #1/0 400 kcmil ④	43.00	20.09	15.00
1000	65,000	DB103W	ND6	OH	(4) #2-500 kcmil ⑤	50.00	20.09	15.00
1200	65,000	DB123W	ND6	OH	(4) #2-500 kcmil ⑤	50.00	20.09	15.00
1600	65,000	DB163W ⑥	PD6	OH	(5) 300-600 kcmil	62.00	25.03	17.50
FUSIBLE SWITCH MODULES ⑦⑧								
400	100,000	DT043W	T	OH/UG	(2) #4-500 kcmil	33.50	15.00	16.00
600	100,000	DT063W	T	OH/UG	(2) #4-500 kcmil	41.50	15.00	16.00
800	100,000	DT083W	T	OH/UG	(3) #4-500 kcmil	41.50	15.00	16.00
1200	100,000	DT123W	T	UG	(4) #250-500 kcmil	50.00	20.00	15.00
TAP BOX MODULES ⑨								
800	100,000	DTB083W	-	OH/UG	(3) 1/0-400 kcmil	39.00	12.00	12.00
1200	100,000	DTB123W	-	OH/UG	(4) 250-600 kcmil	41.00	15.00	16.00
1600	100,000	DTB163W	-	OH/UG	(5) 300-600 kcmil	41.75	25.00	14.00
COMBINATION FUSIBLE SWITCH & PULL BOX MODULES (MEETS EUSERC REQUIREMENTS)								
400	100,000	DT043UW	T	UG	1 Set of 2 Studs	50.06	25.50	15.00
600	100,000	DT063UW	T	UG	1 Set of 2 Studs	50.06	25.50	15.00
800	100,000	DT083UW	T	UG	1 Set of 2 Studs	50.06	25.50	15.00
PULL BOX MODULES (NO THRU-BUS, INCLUDES LUG LANDINGS)								
400	65,000	DPB043W	-	OH/UG	1 Set of 2 Studs	37.50	16.69	9.34
800	65,000	DPB043W	-	OH/UG	1 Set of 2 Studs	45.50	19.44	12.72
1200	65,000	DPB043W	-	OH/UG	1 Set of 2 Studs	47.50	25.94	12.72

① Dimensions shown are representative of outside box length, width and depth, and do not include allowances for mounting bumps, endwalls, covers, hubs, or hardware protrusions.

② Lugs may be larger than wire range given. Wire range given is according to amount of wire bend space available.

③ Main circuit breakers are top feed. Consult sales office for bottom feed applications.

④ Lugs rated for 500 kcmil. Wire bend space limits neutral lug to 400 kcmil.

⑤ Neutral on bottom feed units will only accept (2) #1-500 kcmil.

⑥ 1200 amp maximum feed per side.

⑦ Fuses not included

⑧ Fusible switches, except 1200 amp, are top feed, invertible for bottom feed.

⑨ Coupler not included.

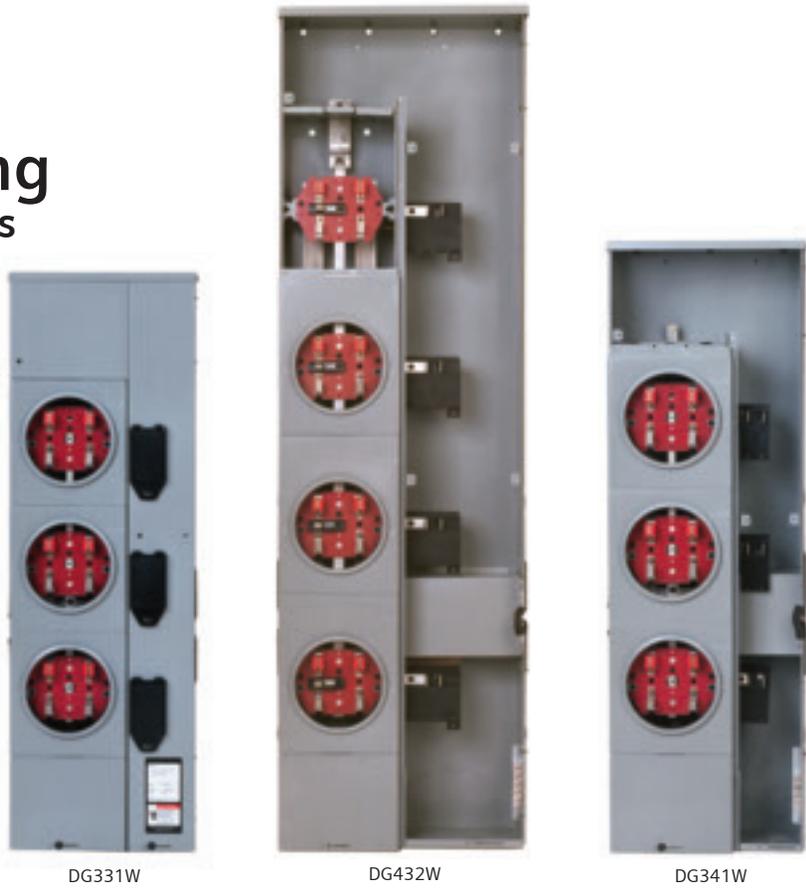
Modular Metering Ring Type Meter Modules

FEATURES

- UL Listed for 60/75° C conductors. See equipment markings for applications.
- Individual split covers with barrel lock compatibility.
- Interconnectable with discontinued "MM" modular metering.①
- Finish is ANSI #61 light gray enamel electrodeposited on zinc-coated G90 steel.
- 200A units UL Listed for use on systems capable of delivering up to 100,000 RMS symmetrical amperes maximum short circuit current.

SERIES TESTED SYSTEMS

Specify Siemens Modular Metering Equipment in conjunction with EQ® III or Ultimate® Load Centers



1 Phase, 3 Wire SN, Incoming and Outgoing, Ring Type Gangable Meter Stack

Continuous Duty Amps Per Position	Meter Positions Per Stack	Catalog Number	Breaker Provision	Maximum AIC ③	Dimensions (inches) ②			5th Jaw Assembly ①	Horn Bypass Kit
					Height	Width	Depth		
1 PHASE 4-JAW SOCKETS, 1 PHASE-3 WIRE THRU-BUS 120/240V AC MAX.									
125	3	DG331W	MP-T, MP-HT, MP-MT	65,000	41.41	13.44	7.84	ECMM5J	ECHBK
	4	DG431W		65,000	50.41	13.44	7.84	ECMM5J	ECHBK
	5	DG531W		65,000	59.41	13.44	7.84	ECMM5J	ECHBK
	6	DG631W		65,000	68.41	13.44	7.84	ECMM5J	ECHBK
200	2	DG232W	MPP-T, MPP-HT, MPP-MT, MPP-PT ④	100,000	36.41	17.44	7.84	ECMM5J	ECHBK
	3	DG332W		100,000	47.41	17.44	7.84	ECMM5J	ECHBK
	4	DG432W		100,000	58.41	17.44	7.84	ECMM5J	ECHBK

3 Phase, 4 Wire SN, Incoming and 1 Phase, 3 Wire SN Outgoing, Ring Type Gangable Meter Stack

Continuous Duty Amps Per Position	Meter Positions Per Stack	Catalog Number	Breaker Provision	Maximum AIC ③	Dimensions (inches) ②			5th Jaw ① Assembly	Horn Bypass Kit
					Height	Width	Depth		
1 PHASE 5-JAW SOCKETS, 3 PHASE-4 WIRE THRU-BUS 208Y/240V AC ⑤									
125	3	DG341W	MP-T, MP-HT, MP-MT	65,000	41.41	13.44	7.84	Installed	ECHBK
	4	DG441W		65,000	50.41	13.44	7.84	Installed	ECHBK
	5	DG541W		65,000	59.41	13.44	7.84	Installed	ECHBK
	6	DG641W		65,000	68.41	13.44	7.84	Installed	ECHBK
200	2	DG242W	MPP-T,④ MPP-HT, MPP-MT,	100,000	36.41	17.44	7.84	Installed	ECHBK
	3	DG342W		100,000	47.41	17.44	7.84	Installed	ECHBK
	4	DG442W		100,000	58.41	17.44	7.84	Installed	ECHBK

① Order ECMM15J for insulated 5th jaw.
② Dimensions shown are representative of outside box length, width and depth, and do not include

allowances for mounting bumps, endwalls, covers, hubs or hardware protrusions.
③ Max. AIC determined by maximum AIC of tenant breakers. Higher ratings may be

achieved thru approved series rating combinations.
④ Order filler plate ECCP3U if using standard 2" wide circuit breaker (QP).
⑤ Not for use on 3 phase, 4 wire delta systems.

Modular Metering

Commercial Meter Modules ^{①②③⑥}

225A Maximum
1 Phase, 3 Wire SN
Incoming and Outgoing
120/240 VOLT AC
225 AMPERE, 1 PHASE SOCKET ^{④⑤}
 Use Type MP-T, MP-HT, MP-MT,
 MPP-T, MPP-HT, MPP-MT, MPP-PT
 circuit breakers,
2-pole (plug-in)

Ampere Rating	No. of Meter Sckts.	Catalog Number
1200	1	W1MM1225SS
	2	W1MM2225SS
	3	W1MM3225SS
	4	W1MM4225SS

3 Phase, 4 Wire SN, Incoming
1 Phase, 3 Wire SN, Outgoing
120/208 VOLT AC
225 AMPERE, 1 PHASE SOCKET ^{④⑤}
 Use Type MP-T, MP-HT, MP-MT,
 MPP-T, MPP-HT, MPP-MT, MPP-PT
 circuit breakers,
2-pole (plug-in)

Ampere Rating	No. of Meter Sckts.	Catalog Number
1200	1	W2MM1225SS
	2	W2MM2AB225SS
	2	W2MM2BC225SS
	2	W2MM2CA225SS
	3	W2MM3225SS
	4	W2MM4AB225SS
	4	W2MM4BC225SS
	4	W2MM4CA225SS

3 Phase, 4 Wire SN, Incoming
1 Phase, 3 Wire SN, Outgoing
120/208 VOLT AC
200 AMPERE, 3 PHASE SOCKET ^{④⑤}
 Use Type QJ2, QJH2, QJ2H, HQJ2H
 circuit breakers,
3-pole (bolt-on)

Ampere Rating	No. of Meter Sckts.	Catalog Number
1200	1	W3MM1200SS
	2	W3MM2200SS
	3	W3MM3200SS
	4	W3MM4200SS

Note: All meter modules are supplied with one hanger bracket and one single bolt joint. Lag screws for hanger bracket and mounting brackets are not included.

- ① When adding modular metering modules to old installation, replace metal end closure plate with plastic end closure plate. Catalog Number WMEP.
- ② Meter socket is plug-in lever bypass clamping jaw type except where noted.
- ③ 200A units UL Listed for use on systems capable of delivering up to 100,000 RMS symmetrical amperes maximum short circuit current.
- ④ 200A sockets are rated continuous duty.
- ⑤ 200A maximum breaker size.
- ⑥ Available July 2005.



Plug-In Circuit Breakers

Types QP, QPH, and HQP with INSTA-WIRE[®],
QN and QNH

1-POLE (120V AC) ①			
Continuous Current Rating @40°C	TYPE MP-T 10,000A IR Catalog Number	TYPE MP-HT 22,000A IR Catalog Number	TYPE MP-MT 65,000A IR Catalog Number
10	MP110	-	-
15	MP115 ②	MP115KH ②	MP115KM ②③
20	MP120 ②	MP120KH ②	MP120KM ②③
25	MP125	MP125KH ③	MP125KM ③
30	MP130	MP130KH	MP130KM ③
35	MP135 ③	MP135KH ③	MP135KM ③
40	MP140	MP140KH	MP140KM ③
45	MP145 ③	MP145KH ③	MP145KM ③
50	MP150	MP150KH	MP150KM ③
60	MP160	MP160KH ③	MP160KM ③
70	MP170	MP170KH ③	MP170KM ③
2-POLE COMMON-TRIP (120/240V AC) ①			
Continuous Current Rating @40°C	TYPE MP-T 10,000A IR Catalog Number	TYPE MP-HT 22,000A IR Catalog Number	TYPE MP-MT 65,000A IR Catalog Number
15	MP215	MP215KH	MP215KM
20	MP220	MP220KH	MP220KM
25	MP225	MP225KH ③	MP225KM ③
30	MP230	MP230KH	MP230KM
35	MP235	MP235KH ③	MP235KM ③
40	MP240	MP240KH	MP240KM ③
45	MP245	MP245KH ③	MP245KM ③
50	MP250	MP250KH	MP250KM
60	MP260	MP260KH	MP260KM
70	MP270	MP270KH	MP270KM
80	MP280	MP280KH ③	-
90	MP290	MP290KH	MP290KM ③
100	MP2100	MP2100KH	MP2100KM
110	MP2110	MP2110KH	MP2110KM ③
125	MP2125	MP2125KH	MP2125KM
2-POLE COMMON-TRIP (240V AC) ①②			
Continuous Current Rating @40°C	TYPE MP-T 10,000A IR Catalog Number	TYPE MP-HT 22,000A IR Catalog Number	TYPE MP-MT 65,000A IR Catalog Number
15	MPH215	-	-
20	MPH220	-	-
30	MPH230	-	-
40	MPH240	-	-
50	MPH250	-	-
60	MPH260	-	-
70	MPH270	-	-
100	MPH2100 ③	-	-
3-POLE COMMON-TRIP (240V AC) ①			
Continuous Current Rating @40°C	TYPE MP-T 10,000A IR Catalog Number	TYPE MP-HT 22,000A IR Catalog Number	TYPE MP-MT 65,000A IR Catalog Number
15	MP315	MP315KH	MP315KM ③
20	MP320	MP320KH	MP320KM
25	MP325	MP325KH ③	-
30	MP330	MP330KH	MP330KM
35	MP335	-	-
40	MP340	MP340KH	MP340KM
45	MP345	-	-
50	MP350	MP350KH	MP350KM
60	MP360	MP360KH	MP360KM
70	MP370	MP370KH	MP370KM ③
80	MP380	MP380KH	MP380KM ③
90	MP390	MP390KH	MP390KM ③
100	MP3100	MP3100KH	MP3100KM



1-Pole
Type MP-T



2-Pole
Type MP-T



3-Pole
Type MP-T



Type MD-T



Type MD-HT

Type MD-T and MD-HT			
Brkr. Type	Amp Rtg.	10K AIR Catalog Number	22K AIR Catalog Number
MD-T 2-Pole 120/ 240V AC	150	MPD2150	MPD2150R
	175	MPD2175③	MPD2175R③
	200	MPD2200	MPD2200R
MD-HT 2-Pole 120/ 240V AC	150	MPD2150KH	MPD2150RH
	175	MPD2175KH③	MPD2175RH③
	200	MPD2200KH	MPD2200RH

① HACR rated.

② UL listed for frequent switching applications (SWD). 120V AC fluorescent lighting.

③ Built to order. Allow 2-3 weeks for delivery.

Plug-In Circuit Breakers

Duplex, Triplex, Quadplex, GFCIs, AFCIs and Surge Products



Duplex

Triplex



Quadplex



1 & 2-Pole GFCIs



1-Pole AFCI



2-Pole AFCI



CB/SSA
TVSS

DUPLEX CIRCUIT BREAKERS			
Breaker Type	Ampere Rating	Catalog Number	Catalog Number
MH-T 1-Pole 10K AIC 120V AC	15-15	MP1515	MP1515N ①
	15-20	MP1520	MP1520N ①
	20-20	MP2020	MP2020N ①
	20-30	MP2030	MP2030N ①
	15-30 ②	MP3015	MP3015N ①
	30-30	MP3030	MP3030N ①

TRIPLEX CIRCUIT BREAKERS			
Breaker Type	Ampere Rating		Catalog Number
	Single Pole	Common-Trip 2-Pole	
MH-T 2-Pole 10K AIC 120/240V AC Center Common Trip	15	15	MP21515
	15	20	MP22015
	15	25	MP22515 ②
	15	30	MP23015
	15	35	MP23515 ②
	15	40	MP24015
	15	45	MP24515 ②
	15	50	MP25015
	20	20	MP22020
	20	25	MP22520 ②
20	30	MP23020	
20	35	MP23520 ②	
20	40	MP24020	
20	45	MP24520 ②	
20	50	MP25020	

QUADPLEX CIRCUIT BREAKERS			
Breaker Type	Ampere Rating		Catalog Number
	Inside 2-Pole	Outside 2-Pole	
MH-T 2-Pole 10K AIC 120/240V AC Common Trip	15	15	MP215215CT2
	15	20	MP220220CT2
	20	30	MP220230CT2
	20	40	MP220240CT2
	30	30	MP230230CT2
	30	40	MP230240CT2
	40	40	MP240240CT2
	50	30	MP250230CT2

GROUND FAULT CIRCUIT INTERRUPTERS (Class A - 5mA)			
Brkr. Type	Amp Rtg.	10K AIR Catalog Number	22K AIR Catalog Number
MP-GT, MP-HGT 1-Pole 120V AC	15	MP115GF①	MP115GFH①
	20	MP120GF①	MP120GFH①②
	25	MP125GF②	-
	30	MP130GF	MP130GFH
MP-GT, MP-HGT 2-Pole 120/ 240V AC	15	MP215GF	MP215GFH
	20	MP220GF	MP220GFH
	30	MP230GF	MP230GFH
	40	MP240GF	MP240GFH
	50	MP250GF	MP250GFH
	60	MP260GF	MP260GFH

ARC FAULT CIRCUIT INTERRUPTERS (Class A - 5mA)			
Brkr. Type	Amp Rtg.	10K AIR Catalog Number	22K AIR Catalog Number
MP-AT,	15	MP115AF①	MP115AFH①②
MP-HAT 1-Pole 120V AC	20	MP120AF①	MP120AFH①②
MP-AT,	15	MP215AF	MP215AFH②
MP-HAT 2-Pole 120/ 240V AC	20	MP220AF	MP220AFH②

SURGE PROTECTION			
Breaker Type	Amp. Rtg.	10K AIR Catalog Number	Surge Type
QP①③ 1-Pole 120/ 240V AC	(2)15 (2)20	MSA1515 MSA2020	Surge Arrester Surge Arrester
QP①③ 1-Pole 120/ 240V AC	(2)20	MSA2020TVSS	TVSS

① UL listed for frequent switching applications (SWD). 120V AC fluorescent lighting.
 ② Built to order. Allow 2-3 weeks for delivery.
 ③ HACR rated.

Accessories

INTERCHANGEABLE HUBS	
Conduit Size (Ins. / lbs.)	Catalog Number
HS TYPE HUBS	
3/4	ECHS075
1	ECHS100
1-1/4	ECHS125
1-1/2	ECHS150
2	ECHS200
2-1/2	ECHS250
RX TYPE HUBS	
3/4	EC38594
1	EC38596
1-1/4	EC38597
1-1/2	EC38598
2	EC38599
2-1/2	EC38600
HC TYPE HUBS	
2	ECHC200
2-1/2	ECHC250
3	ECHC300
ACCESSORIES AND CLOSURE PLATES	
Adapter Plate	ECHCRXA
Closure Plates	
For HC Hubs	ECHC000
For HS Hubs	ECHS000
For HV Hubs	ECHV000
For RX Hubs	EC38595

SEALING RINGS (AI)	
Description	Catalog Number
Snap-on type	SX001M
Screw type	SX001M

BYPASS KITS	
Description	Catalog Number
Manual Bypass (ring style only)	MBP1U
Insul. 5th Jaw (ring style only)	MBP2U
200A Jumper (ring style only)	JSU
Horn Bypass Replacement	HBPU

COVER PLATE KITS	
Description	Catalog Number
Ring Style	CPP
Ringless Style	CP3

Description	Catalog Number
RT WIREWAY	
Termination Lugs	
(2) #6-350 kcmil	UK350TA
(1) #2-600 kcmil	UK600TA
(2) #500-1000 kcmil	UK1000TA

MISCELLANEOUS ACCESSORIES	
Description	Catalog Number
Plastic Meter Opening Cover (JA, JC)	SX087M
Plastic Meter Cover Ringless (JB)	SX088M
NEMA Stud Mechanical Lugs	
(2) #6-350 kcmil	UK350TA
(1) #2-600 kcmil, Al/Cu	UK600TA
(2) #500-1000 kcmil, Al/Cu	UK1000TA
Fifth Jaw	EMC5J
Neutral Feeder Lugs for use on INSTA-WIRE bars	
#2-1/0	ECLK1
#4-2/0	ECLK2
#1-350 kcmil	ECLK3

GROUND BARS (Al/Cu - except where noted)	
Description	Catalog Number
5 Position, #4-14 AWG Cu/Al	ECGB5
10 Position, #4-14 AWG Cu/Al	ECGB10
10 Position, #4-14 AWG Cu/Al, 1 Position #14-1/0 Cu/Al	ECGB101
14 Position, #4-14 AWG Cu/Al	ECGB14
14 Position, #4-14 AWG Cu/Al, 1 Position #14-1/0 Cu/Al	ECGB141
14 Position, #4-14 AWG Cu/Al, 1 Position #6-2/0 Cu/Al	ECGB142
20 Position, #4-14 AWG Cu/Al	ECGB20
20 Position, #4-14 AWG Cu/Al, 1 Position #14-1/0 Cu/Al	ECGB201
20 Position, #4-14 AWG Cu/Al, 1 Position #6-2/0 Cu/Al	ECGB202

5TH JAW KITS	
Description	Catalog Number
Bonded 5th Jaw	GM5J
Insulated 5th Jaw	IGM5J
For use on SP0211 only	WSX019P

UNIVERSAL PAK/MOD. ACCESSORIES	
Description	Catalog Number
Sealing Rings	
Snap-on, stainless steel	SRSS
Screw-on, stainless steel	SRSW
Snap-on, aluminum	SRSTD
2-pole blank Filler Plate QP 125A max. breaker	ECP1U
4-pole blank Filler Plate QPP 225A max. breaker	ECP2U
4-pole blank Filler Plate QP (2" wide) 125A breaker installed	ECP3U ^⑥
Plastic Cover Plates	
Ring Type Socket	ECPP
Ringless Type Socket	ECP3
Meter Bypass Jpr. 4&5 jaw	ECJS ^⑦
Manual Bypass Meter Skt. 125A Meter Cover	ECMBP1U
Manual Bypass Meter Skt. 200A Meter Cover	ECMBP2U

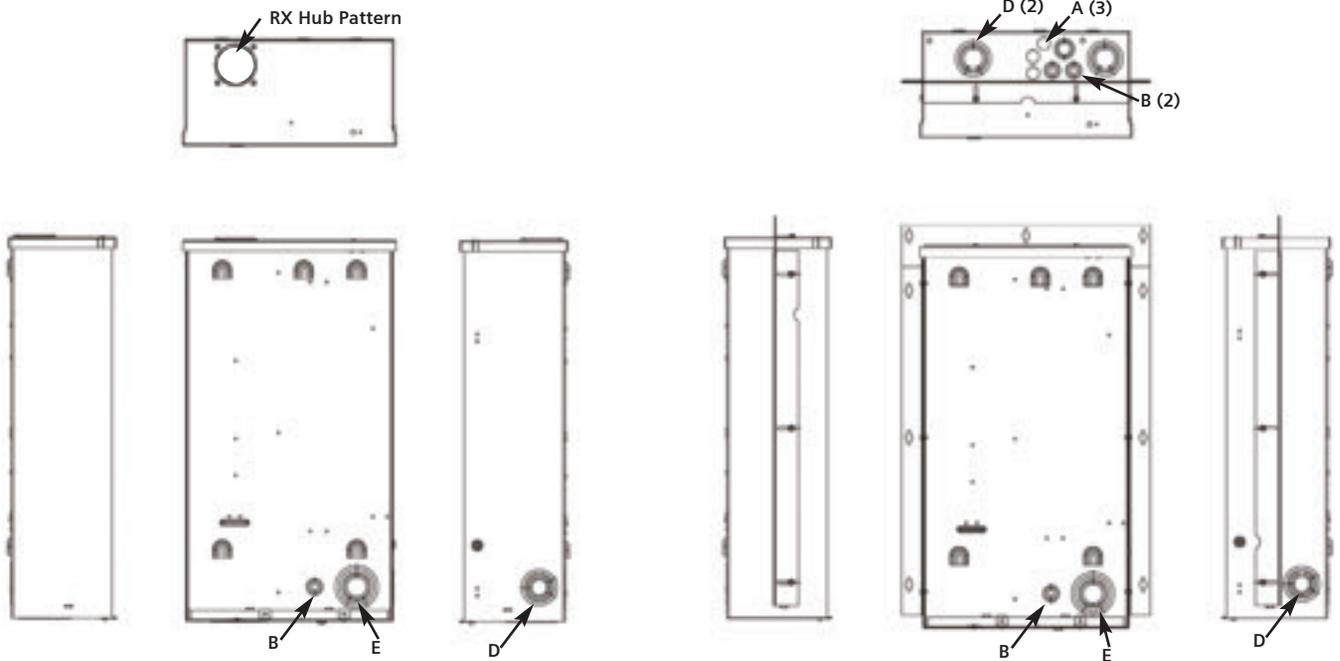
MODULAR METERING ACCESSORIES	
Description	Catalog Number
Single Bolt Joints	
1 Phase, 3 Wire, 1200A max.	SBJ1
3 Phase, 4 Wire, 1200A max.	SBJ4
Indoor Bussed Elbow	
1 Phase, 3 Wire, 1200A max.	BE1
3 Phase, 4 Wire, 1200A max.	BE4
Outdoor Bussed Extension	
1 Phase, 3 Wire, 1200A max.	WMEX1U
3 Phase, 4 Wire, 1200A max.	WMEX4U
5th Jaw Kit (3, 6, 9 o'clock)	ECMM5J ^①
Ins. 5th Jaw Kit (3, 6, 9 o'clock)	ECMMI5J ^①
Pass-Thru Bushing for use with Underground Pull Box	WMMBK ^②
End Closure Plate	WMEP ^③
HR Type Hubs for Service Entrance Module	
3/4"	ECHR075
1"	ECHR100
1-1/4"	ECHR125
1-1/2"	ECHR150
2"	ECHR200
HV Type Hubs for Service Entrance Module	
2"	ECHV200
2-1/2"	ECHV250
3"	ECHV300
3-1/2"	ECHV350
4"	ECHV400

PAK METERING ACCESSORIES	
Description	Catalog Number
HD Type Hubs	
2"	EC56854 ^④
2-1/2"	EC56855 ^④
3"	EC56856
3-1/2"	EC56857
4"	EC56858
Closure Plate	EC56933S
NEMA Stud Kit for new Uni-Pak	
400A	NSK400
600A	NSK600
Parallel Lug Kit	
400A	PLK400
600A	PLK600
5th Jaw Kit	GM5J ^⑤
Insulated 5th Jaw Kit	ECMMI5J
NEMA Stud Kit for old Uni-Pak	
400A	LKNS4U
600A	LKNS8U

- ① For use on 125A and 200A sockets only.
- ② One pass-thru bushing supplied with each WMM8 device.
- ③ When adding modular metering modules to old installation, replace metal end closure plate with plastic end closure plate.
- ④ Item is a kit consisting of adaptor plate and Type RK hub.
- ⑤ For use on new Pak only. Use ECMM5J for old Pak.
- ⑥ Filler plate is not needed for new Pak.
- ⑦ (2) required per 1 phase meter socket. Residential type ring and ringless. 200A max. Meter cannot be installed while in use. For use with ECPP cover plate.

Combination Meter Sockets

Dimensions, Wiring, and Knockout Diagrams

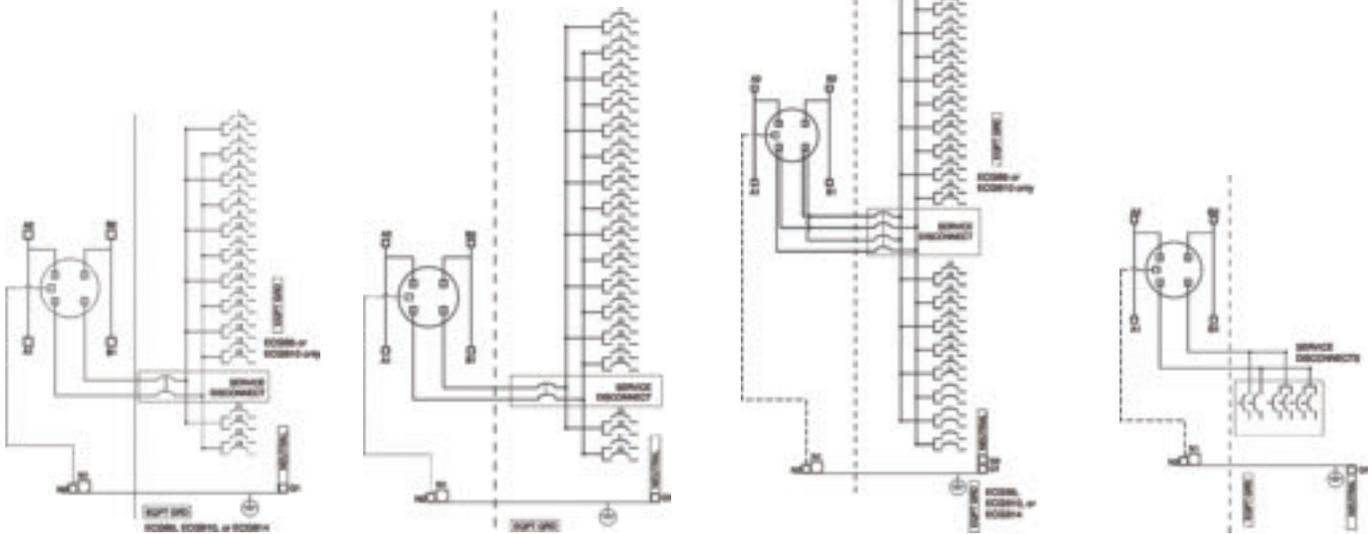


Knockout Schedule

- A = 1/2"
- B = 1/2", 3/4"
- C = 1/2", 3/4", 1"
- D = 3/4", 1", 1-1/4", 1-1/2", 2"
- E = 1", 1-1/4", 1-1/2", 2", 2-1/2"
- F = 1-1/4", 1-1/2", 2", 2-1/2", 3"
- G = 0.31 diameter Ground Wire K.O.

FIGURE 1

FIGURE 2



JA1224B1100FEC
 JA1224B1100SEC
 JA1224B1125FEC
 JA1224B1125SEC

JA1632B1100FEC
 JA1632B1100SEC
 JA1632B1125FEC

JA2442B1200FEC
 JA2442B1200SEC
 JA2442B1225FEC
 JA2442B1225SEC

JC0406L1125FEC
 JC0406L1125SEC
 JC0406L1200FEC
 JC0406L1200SEC

Combination Meter Sockets

Dimensions, Wiring, and Knockout Diagrams

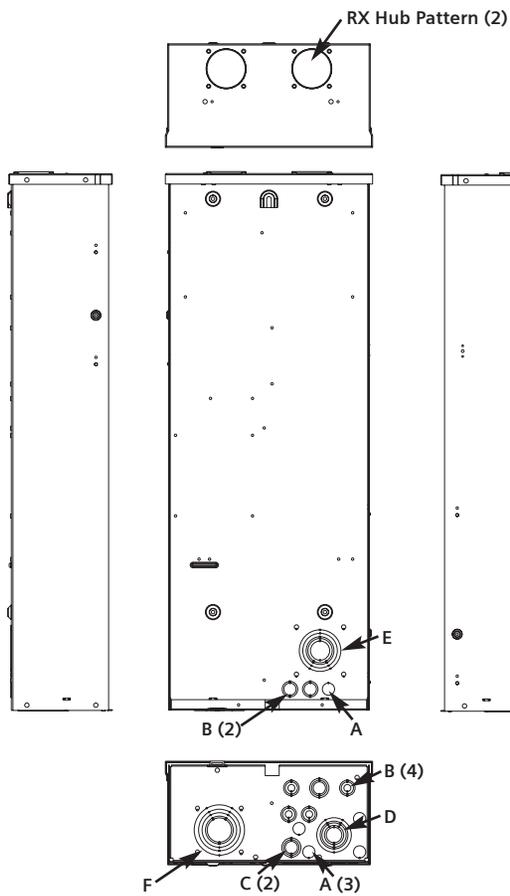
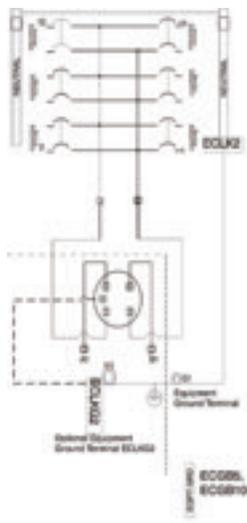


FIGURE 3



JA1212L1200FED
JA1212L1200SED

Knockout Schedule

- A = 1/2"
- B = 1/2", 3/4"
- C = 1/2", 3/4", 1"
- D = 3/4", 1", 1-1/4", 1-1/2", 2"
- E = 1", 1-1/4", 1-1/2", 2", 2-1/2"
- F = 1-1/4", 1-1/2", 2", 2-1/2", 3"
- G = 0.31 diameter Ground Wire K.O.

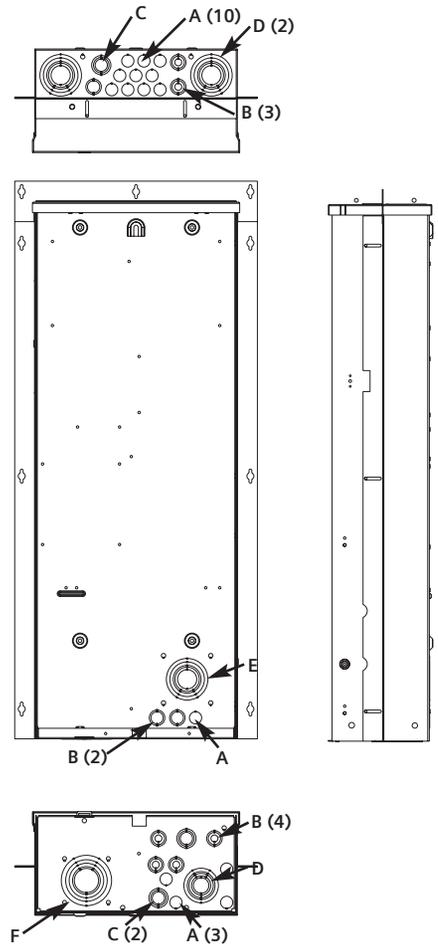
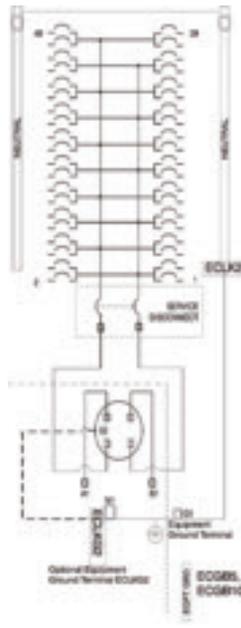
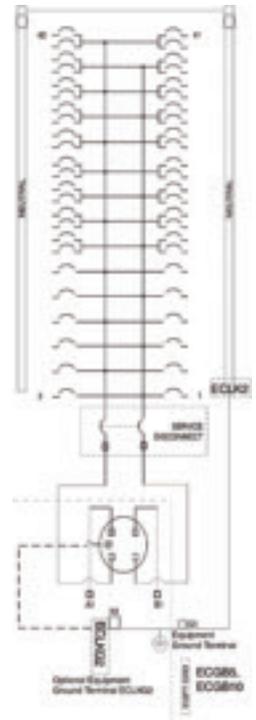


FIGURE 4

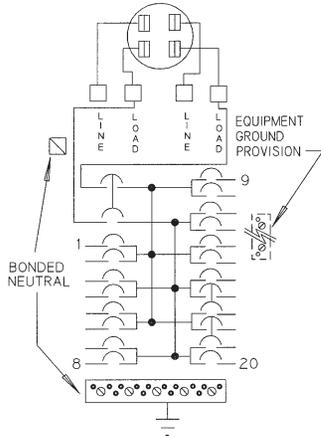


JA2040B1200FED
JA2040B1200SED

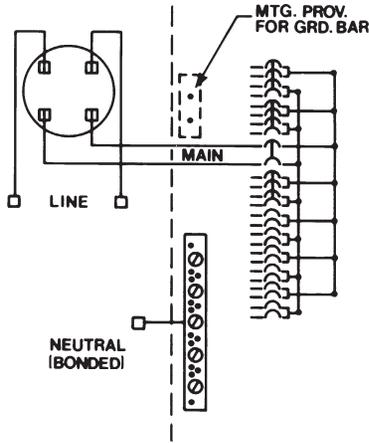


JA3042B1200FED
JA3042B1200SED
JA3042B1225FED
JA3042B1225SED

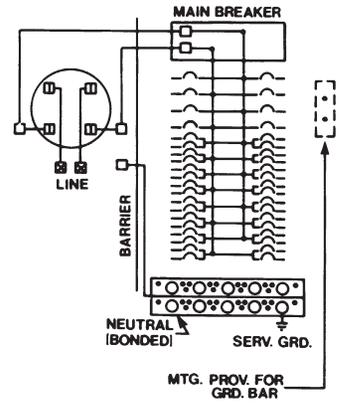
EUSERC Commercial Metering Wiring Diagrams



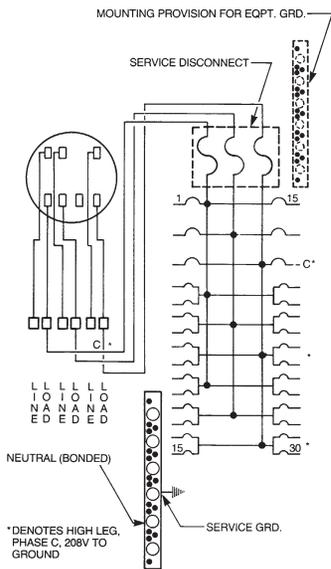
MC1020B1100ESS



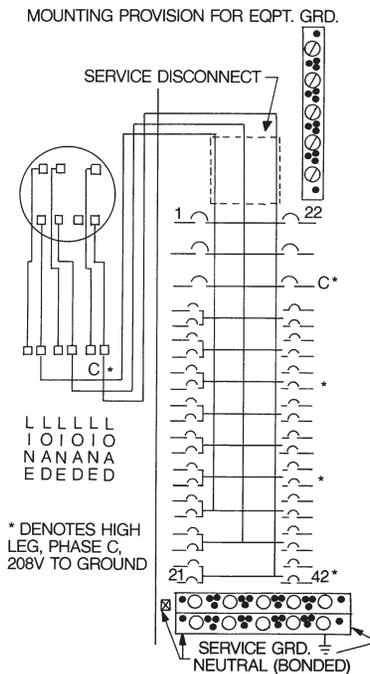
MC1224B1100CESS



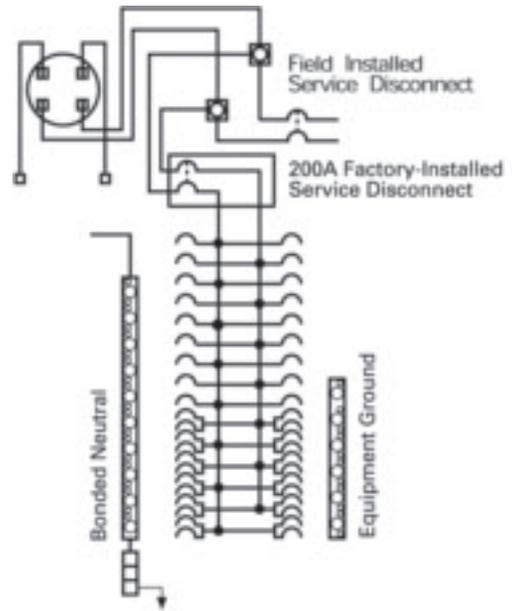
MC2440B1200CESS



MC1830F3100CESS



MC2442F3200CESS



MC3040MB21/22SS

EUSERC Commercial Metering

Dimensions and Knockout Diagrams

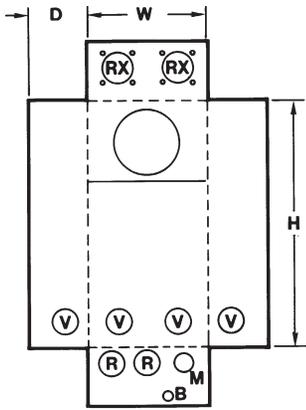


FIGURE 5

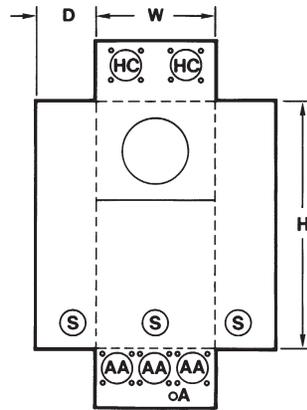


FIGURE 6

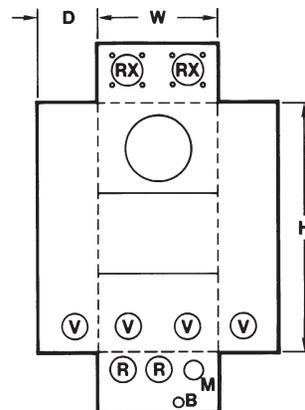


FIGURE 7

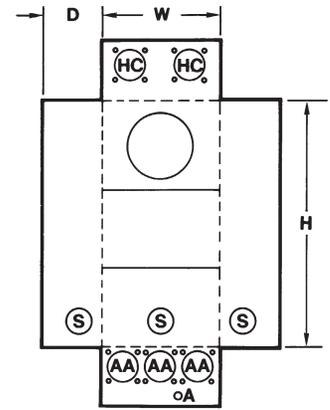


FIGURE 8

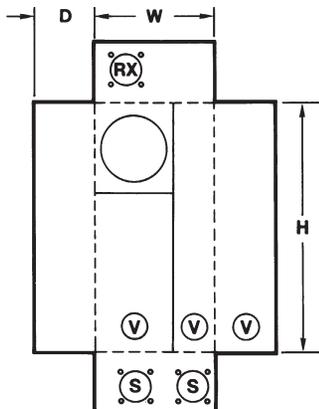


FIGURE 9

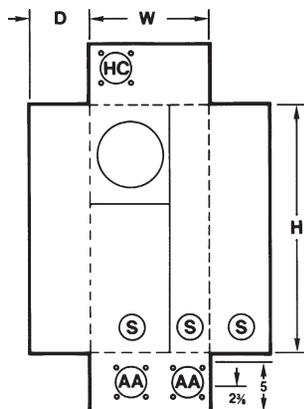


FIGURE 10

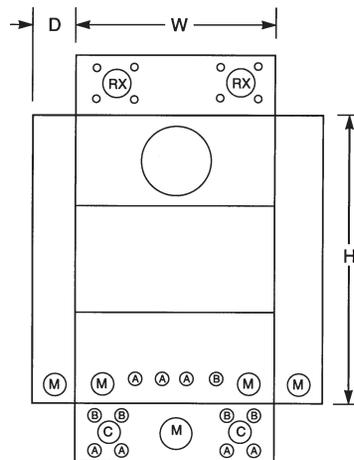


FIGURE 11

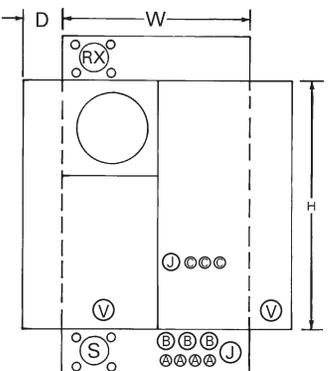


FIGURE 12

DIMENSIONS (inches)									
Catalog Number	K.O. Fig.	Height	Width	Depth	Catalog Number	K.O. Fig.	Height	Width	Depth
MS14TB	5	24	12-1/2	4-7/8	MS27TB	6	30	14-1/4	6-3/8
MS15TB	5	24	12-1/2	4-7/8	MM0202F1200ESS	8	45	14-1/4	6-3/8
MS17TB	5	24	12-1/2	4-7/8	MM0202F1200CESS	10	30	23-1/4	6-3/8
MM0202B1100ESS	7	36	12-1/2	4-7/8	MM0202F3200ESS	8	45	14-1/4	6-3/8
MM0202B3100ESS	7	36	12-1/2	4-7/8	MM0202F3200CESS	10	30	23-1/4	6-3/8
MM0202F1100ESS	7	36	12-1/2	4-7/8	MM0202B1200ESS	8	45	14-1/4	6-3/8
MM0202F1100CESS	9	24	20-1/8	4-7/8	MM0202B1200CESS	10	30	23-1/4	6-3/8
MM0202F3100ESS	7	36	12-1/2	4-7/8	MM0202B3200ESS	8	45	14-1/4	6-3/8
MM0202F3100CESS	9	24	20-1/8	4-7/8	MM0202B3200CESS	10	30	23-1/4	6-3/8
MC1020B1100ESS	11	36	12-1/2	4-7/8	MC2440B1200CESS	13	30	25-3/4	6-3/8
MC1224B1100CESS	12	24	20-1/8	4-7/8	MC2442F3200CESS	15	42	27-1/4	6-3/8
MC1830F3100CESS	14	26	24-1/4	4-7/8	MC3040MB21SS	18	40	30-1/4	6
MS24TB	6	30	14-1/4	6-3/8	MC3040MB22SS	18	40	30-1/4	6
MS25TB	6	30	14-1/4	6-3/8					

EUSERC Commercial Metering

Dimensions and Knockout Diagrams

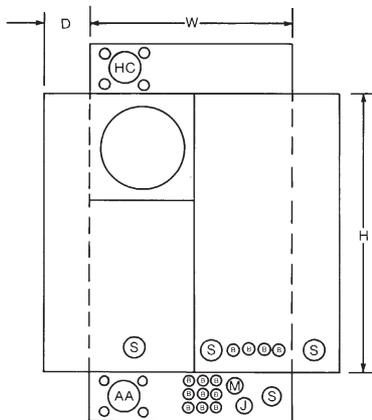


FIGURE 13

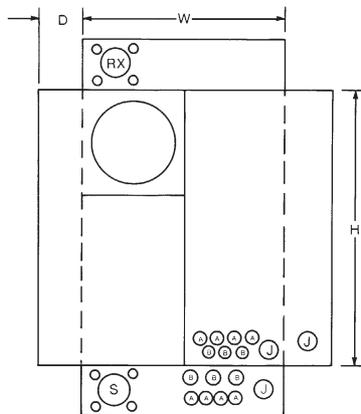


FIGURE 14

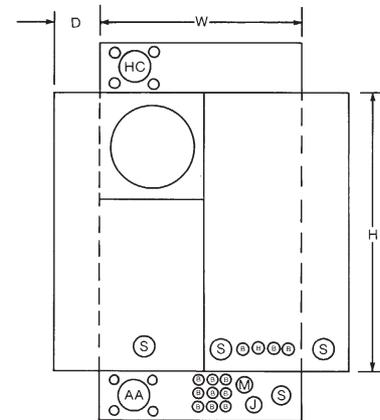


FIGURE 15

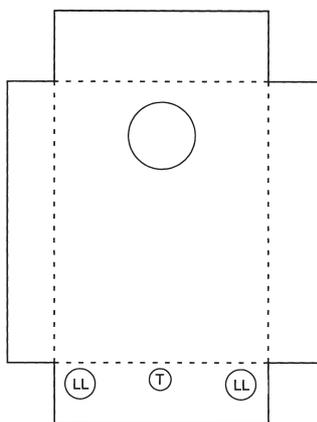


FIGURE 16

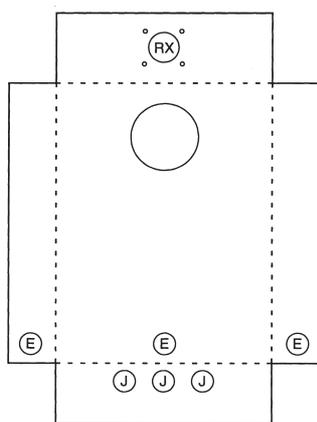


FIGURE 17

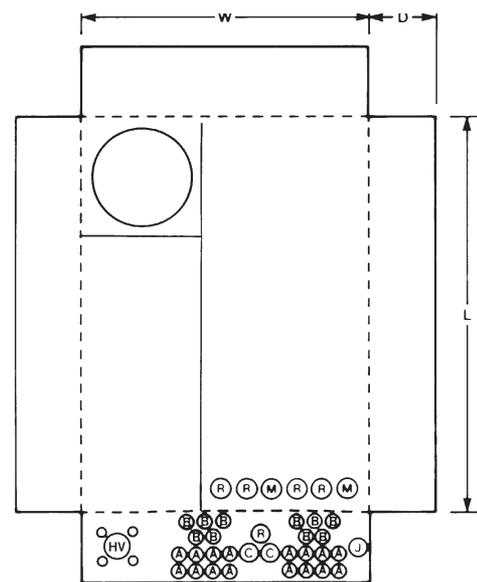


FIGURE 18

Knockout Code - Conduit Sizes (inches)	
⌀ = 1/4	S = 1, 1-1/4, 1-1/2, 2, 2-1/2
A = 1/2	T = 1-1/4
B = 1/2, 3/4	U = 1-1/4, 1-1/2
C = 1/2, 3/4, 1	V = 1-1/4, 1-1/2, 2
D = 1/2, 1	W = 1-1/4, 2
E = 1/2, 3/4, 1, 1-1/4	X = 1-1/4, 1-1/2, 2, 2-1/2
F = 1/2, 1-1/4, 1-1/2	Y = 1-1/2, 2
G = 3/4	Z = 1-1/2, 2, 2-1/2
H = 3/4, 1	AA = 1-1/2, 2, 2-1/2, 3
J = 3/4, 1, 1-1/4	BB = 1-1/2, 2, 2-1/2, 3, 3-1/2
K = 3/4, 1-1/4	CC = 2, 2-1/2, 3, 3-1/2
M = 3/4, 1, 1-1/4, 1-1/2	EE = 2, 2-1/2, 3
N = 3/4, 1, 1-1/4, 1-1/2, 2	FF = 2-1/2, 3
P = 1, 1-1/4	GG = 2-1/2, 3, 3-1/2
Q = 1, 1-1/4, 1-1/2	HH = 2-1/2, 3, 3-1/2, 4
R = 1, 1-1/4, 1-1/2, 2	JJ = 3-1/2, 4
	LL = 3
	VV = 2

EUSERC Commercial Metering

Dimensions, Wiring, and Knockout Diagrams

Knockout Schedule

- A = 1/2"
- B = 1/2", 3/4"
- C = 1/2", 3/4", 1"
- D = 3/4", 1", 1-1/4", 1-1/2", 2"
- E = 1", 1-1/4", 1-1/2", 2", 2-1/2"
- F = 1-1/4", 1-1/2", 2", 2-1/2", 3"
- G = 0.31 diameter Ground Wire K.O.

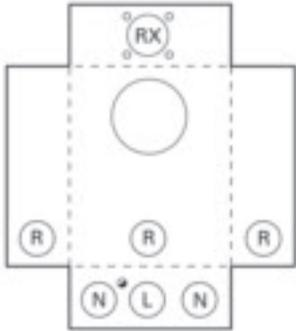


FIGURE 19



FIGURE 20

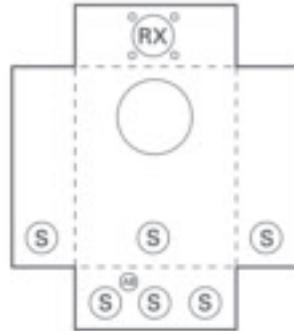


FIGURE 21

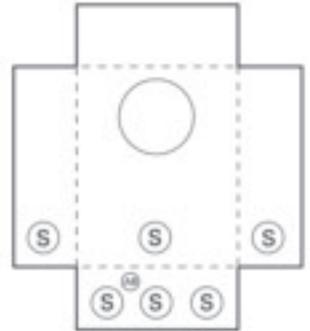
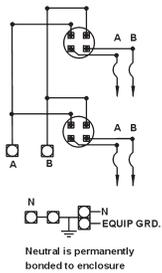


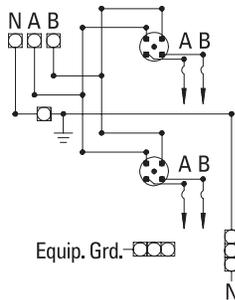
FIGURE 22

Pak Metering

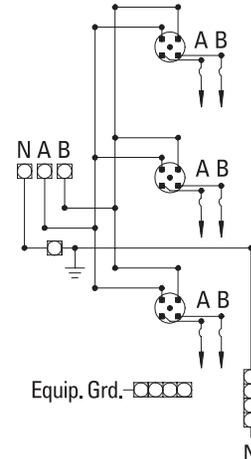
Wiring Diagrams



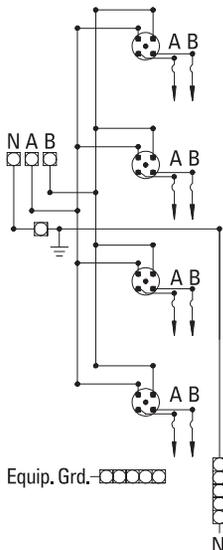
2 POSITION 125 AMP



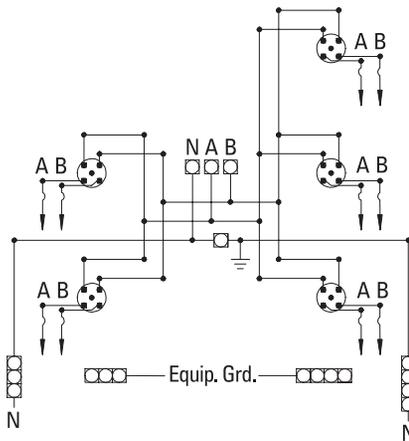
2 POSITION 200 AMP



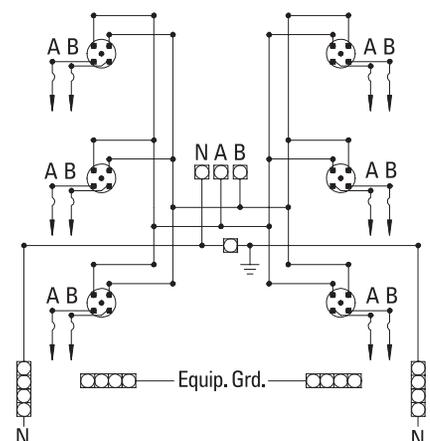
3 POSITION 125 & 200 AMP



4 POSITION 125 & 200 AMP

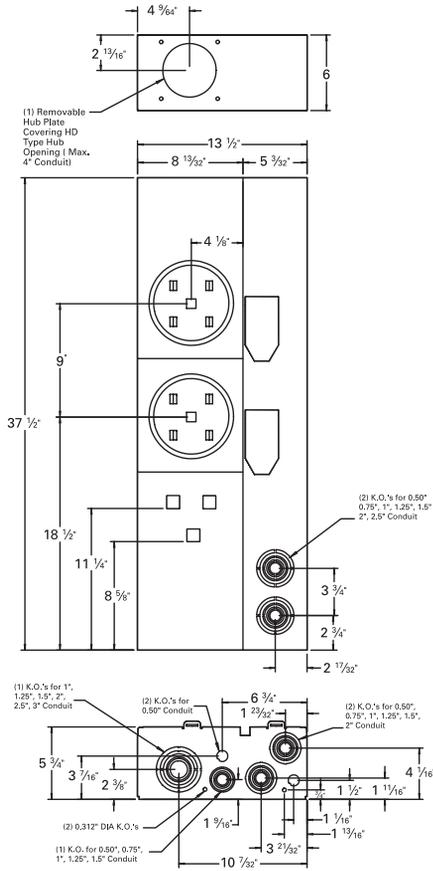


5 POSITION 125 & 200 AMP

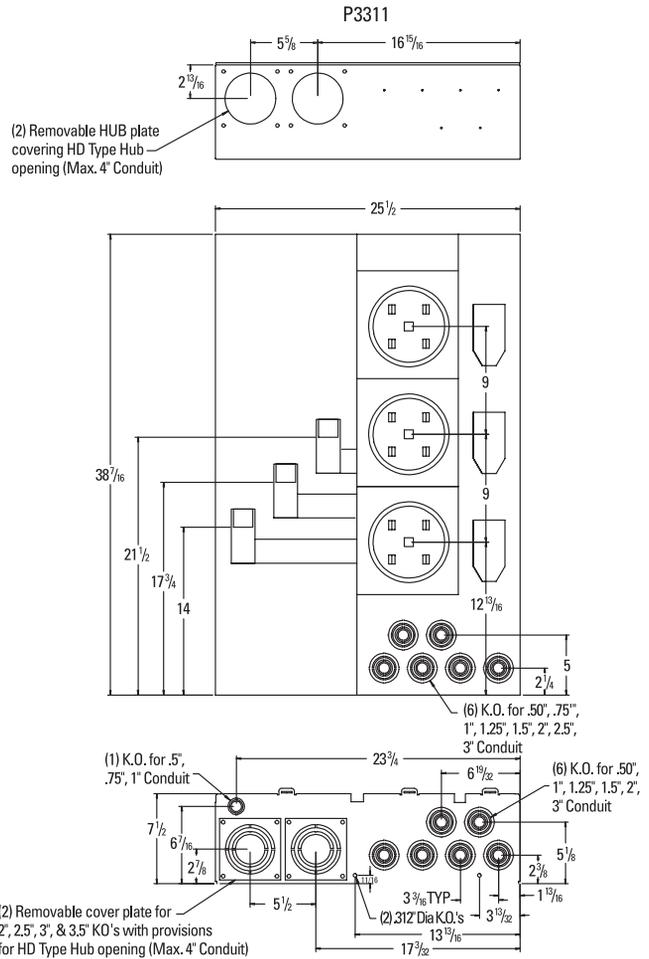


6 POSITION 125 & 200 AMP

Pak Metering Knockout Diagrams



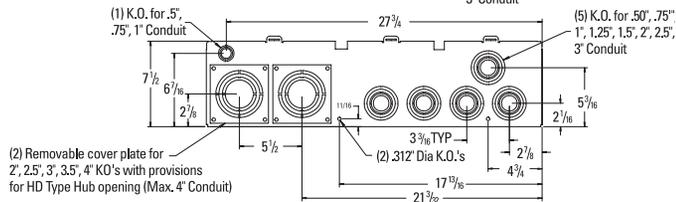
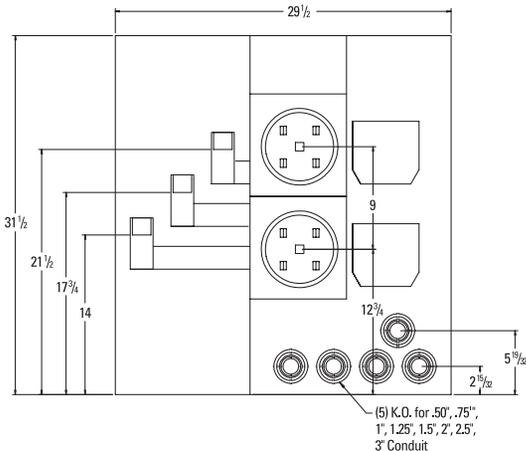
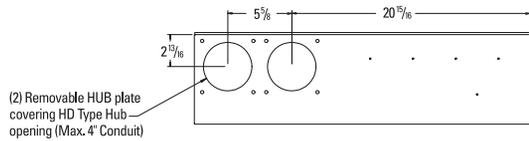
MP2211X



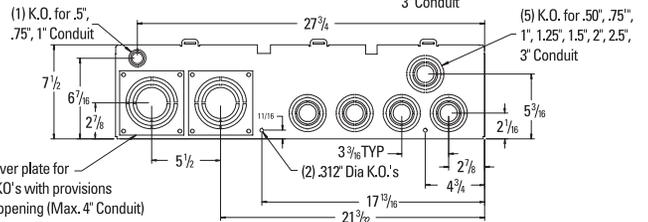
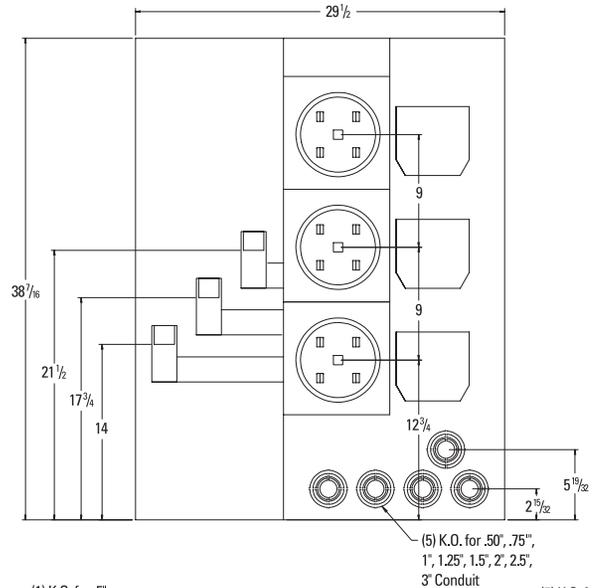
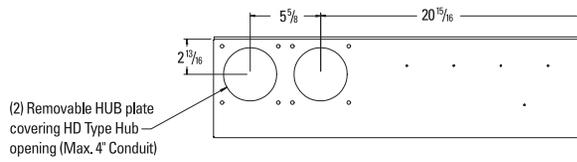
MP3311X



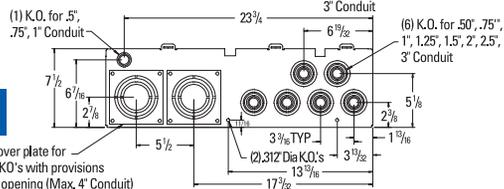
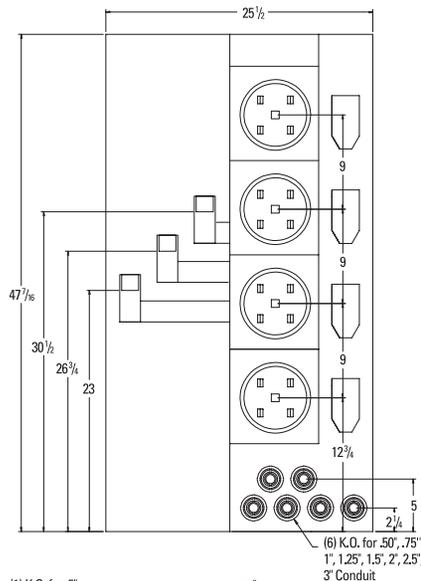
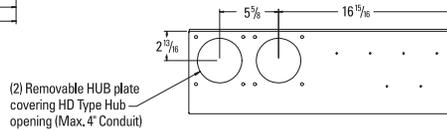
Pak Metering Knockout Diagrams



MP4212X

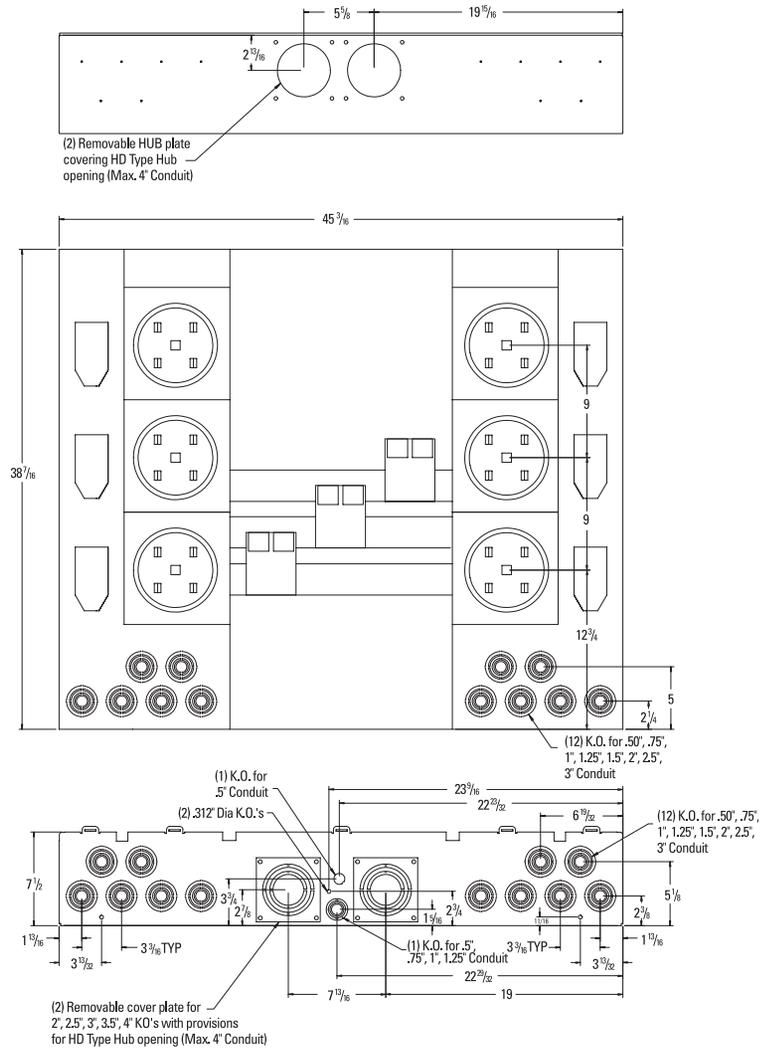


MP4312X



MP4411X

Pak Metering Knockout Diagrams



MP6611X



Rock Solid™ Load Centers

Load centers on this page through 225 amp feature a new split neutral with one bonded and one insulated bar. For service entrance applications,

install bonding strap, and use both bars for neutral and ground conductors. For non-service entrance applications, do not install bonding

strap and use insulated bar for neutral conductors and bonded bar for ground conductors.

MAIN BREAKER LOAD CENTERS – Aluminum Bus 20-42 Circuit, 100-400 Amperes, 1 Phase 3 Wire, 120/240V AC, 22,000 AIC

Amps Max.	No. of Spaces	Max. Circuit	Indoor Enclosure NEMA Type 1 ② Catalog Number	Dimensions (inches) ③			Outdoor Enclosure NEMA Type 3R ②④ Catalog Number	Dimensions (inches) ③		
				Height	Width	Depth		Height	Width	Depth
100	10	20	LC110DFCGP ⑧	14-3/4	12-3/8	3-7/8	–	–	–	
100	12	24	LC1224B1100	18	14-3/8	4	LW1224B1100	20	14-1/4	4-1/2
100	20	40	LC2040B1100	24	14-3/8	4	–	–	–	
100	24	40	LC2440B1100	24	14-3/8	4	–	–	–	
100	30	40	LC3040B1100	30	14-3/8	4	–	–	–	
150	16	32	LC1632B1150	24	14-3/8	4	LW1632B1100	20	14-1/4	4-1/2
150	20	40	LC2040B1150	30	14-3/8	4	LW2040B1150	29	14-1/4	4-1/2
150	24	40	LC2440B1150	30	14-3/8	4	–	–	–	
150	30	40	LC3040B1150	36	14-3/8	4	–	–	–	
200	12	24	–	–	–	–	LW1224B1200	29	14-1/4	4-1/2
200	16	32	LC1632B1200	30	14-3/8	4	–	–	–	
200	20	40	LC2040B1200	30	14-3/8	4	LW2040B1200	29	14-1/4	4-1/2
200	24	40	LC2440B1200	30	14-3/8	4	–	–	–	
200	30	40	LC3040B1200	36	14-3/8	4	LW3040B1200	38	14-1/4	4-1/2
200	40	40	LC4040B1200	39	14-3/8	4	LW4040B1200	38	14-1/4	4-1/2

MAIN LUG LOAD CENTERS – Copper Bus 40-42 Circuit, 100-400 Amperes, 1 Phase 3 Wire, 120/240V AC, 22,000 AIC

Amps Max.	No. of Spaces	Max. Circuit	Indoor Enclosure NEMA Type 1 ② Catalog Number	Dimensions (inches) ③		
				Height	Width	Depth
100	20	40	LC2040L1100CU	24	14-3/8	4
200	20	40	LC2040L1200CU	30	14-3/8	4
200	30	40	LC3040L1200CU	36	14-3/8	4
200	40	40	LC4040L1200CU	39	14-3/8	4
200	30	40	LC330SS ⑥⑦	47	20	6
400	42	42	LC442SS	58	20	6

LOAD CENTER SHORT CIRCUIT CURRENT RATING

Murray load centers have UL recognized short circuit current ratings up to 100,000 amps when used with appropriate main or feeder (remote or internal) overcurrent devices. Load center ratings are shown below. For load center applications with residential or commercial metering equipment, refer to the appropriate section of this catalog. Single phase main breaker load centers are UL Listed for use with 60/75°C conductors and accept Murray branch circuit breakers which are also UL Listed for use with 60/75°C conductors. Type 3R load centers are furnished with a hub opening closure plate.

Load Center ⑨ Short Circuit Current Rating	Load Center Main Rating	Internal or Remote Main or Feeder Circuit Breaker Type
10,000 AIC	Any	Any
22,000 AIC	100/125A	MP-HT, MQH ⑩⑪
	150/200/225A	MD-H, MQH ⑨⑪, MPP-HT ⑩
42,000 AIC	100/125A	MQL ⑩⑪
	150/200/225A	MQL ⑨⑪
65,000 AIC	100/125A	MP-MT, MPP-MT ⑩
	150/200/225A	MPP-MT ⑩
100,000 AIC	100/125A	100A, 300V AC, Class "T" Fuse ⑩
100,000 AIC	150/200/225A	200A, 300V AC, Class "T" Fuse ⑩

- ① 300 and 400 amp load centers have insulated groundable center-mounted neutrals.
- ② Standard package quantity equal to one.
- ③ Dimensions shown are representative of outside box length, width and depth ($\pm 1/8"$) and do not include allowance for mounting bumps, endwalls, hubs, or hardware protrusions. Allow approximately 1-1/4" additional in length and width dimensions for surface or combination overhang.
- ④ Hub provision only. Closure plate included. Panels through 225 amp require HS type hub; panels over 225 amp require HV type hub.
- ⑤ Copper bus load centers are recommended for those applications where the environment may be severe (i.e., farm and coastal areas).
- ⑥ For flush installation, order accessory Cat. No. LX077SF separately.
- ⑦ Dual main breaker provisions. Has factory installed 200 amp MD-TR style main breaker with provisions for second MD-TR main breaker up to 200 amps to feed subpanel or other large loads.
- ⑧ Two MP115 and one MP230 provided.

Rock Solid™ Load Centers

Load centers on this page through 225 amp feature a new split neutral with one bonded and one insulated bar. For service entrance applications,

install bonding strap, and use both bars for neutral and ground conductors. For non-service entrance applications, do not install bonding

strap and use insulated bar for neutral conductors and bonded bar for ground conductors.

MAIN LUG LOAD CENTERS – Aluminum Bus 24-40 Circuit, 125-200 Amperes, 1 Phase 3 Wire, 120/240V AC or 208Y/120V AC, Insulated and Bonded Split Neutrals ①

Amps Max.	No. of Spaces	Max. Circuit	Indoor Enclosure NEMA Type 1 ② Catalog Number	Dimensions (inches) ③			Outdoor Enclosure NEMA Type 3R ②④ Catalog Number	Dimensions (inches) ③		
				Height	Width	Depth		Height	Width	Depth
125	12	24	LC1224L1125	21	14-3/8	4	LW1224L1125	20	14-1/4	4-1/2
125	16	32	LC1632L1125	21	14-3/8	4	LW1632L1125	29	14-1/4	4-1/2
125	20	40	LC2040L1125	24	14-3/8	4	LW2040L1125	29	14-1/4	4-1/2
125	30	40	LC3040L1125	30	14-3/8	4	–	–	–	–
150	16	32	LC1632L1150	24	14-3/8	4	–	–	–	–
150	24	40	LC2440L1150	30	14-3/8	4	–	–	–	–
200	12	24	–	–	–	–	LW1224L1200	29	14-1/4	4-1/2
200	20	40	LC2040L1200	30	14-3/8	4	LW2040L1200	29	14-1/4	4-1/2
200	30	40	LC2440L1200	30	14-3/8	4	–	–	–	–
200	40	40	LC3040L1200	36	14-3/8	4	LW3040L1200	38	14-1/4	4-1/2
200	40	40	LC4040L1200	39	14-3/8	4	–	–	–	–

MAIN LUG LOAD CENTERS – Copper Bus 40-42 Circuit, 125-400 Amperes, 1 Phase 3 Wire, 120/240V AC or 208Y/120V AC, Insulated and Bonded Split Neutrals ①

Amps Max.	No. of Spaces	Max. Circuit	Indoor Enclosure NEMA Type 1 ② Catalog Number	Dimensions (inches) ③			Outdoor Enclosure NEMA Type 3R ②④ Catalog Number	Dimensions (inches) ③		
				Height	Width	Depth		Height	Width	Depth
125	20	40	LC2040L1125CU	24	14-3/8	4	–	–	–	–
200	20	40	LC2040L1200CU	30	14-3/8	4	–	–	–	–
200	30	40	LC3040L1200CU	36	14-3/8	4	–	–	–	–
200	40	40	LC4040L1200CU	39	14-3/8	4	–	–	–	–
225	42	42	LC4242L1225CU	42	14-3/8	4	–	–	–	–
400	42	42	LC042SS ⑥	47	20	6	LW042SR	47	20-1/2	6-1/2

- ① 300 and 400 amp load centers have insulated groundable center-mounted neutrals.
- ② Standard package quantity equal to one.
- ③ Dimensions shown are representative of outside box length, width and depth ($\pm 1/8"$) and do not include allowance for mounting

- ④ Hub provision only. Closure plate included. Panels through 225 amp require HS type hub; panels over 225 amp require HV type hub.

- ⑤ Copper bus load centers are recommended for those applications where the environment may be severe (i.e., farm and coastal areas).
- ⑥ For flush installation, order accessory Cat. No. LX077SF separately.



Circuit Breaker Enclosures and Small Load Centers

2 – 8 CIRCUIT, 60 – 125 AMPERES (NO DOOR)

Amps Max.	No. of Spaces	Max. Circuit	Indoor Enclosure NEMA Type 1 ① Catalog Number	Dimensions (inches) ②			Outdoor Enclosure NEMA Type 3R ③ Catalog Number	Dimensions (inches) ②		
				Height	Width	Depth		Height	Width	Depth
60	2	4	LC002GS	9-7/8	5-1/8	2-5/8	LW002GR ⑥	8-1/4	5-3/8	4-1/2
125	2	4	LC002HS ④	17-1/8	7-1/8	4-1/4	LW002HR	8-1/4	5-3/8	4-1/2
125	4	8	LC004NF ④⑤	12-5/8	6-5/8	3-1/2	–	–	–	–
125	4	8	LC004NS ④⑤	12-5/8	6-5/8	3-1/2	LW004NR ④⑤⑦	12-1/4	6-1/8	4-1/4
125	4	8	–	–	–	–	LW004NRSPA50 ④⑤⑥⑦⑧	12-1/4	6-1/8	4-1/4
125	4	8	–	–	–	–	LW004NRSPA60 ④⑤⑥⑦⑧	12-1/4	6-1/8	4-1/4

8 – 16 CIRCUIT, 125 AMPERES (WITH DOOR)

125	8	16	LC008DF ④	14-3/4	12-3/8	3-7/8	–	–	–	–
125	8	16	LC008DS ④	14-3/4	12-3/8	3-7/8	LW008NR ④	14-3/4	12-1/8	4-1/8
125	8	16	LC008DFG ④⑧	14-3/4	12-3/8	3-7/8	–	–	–	–
125	8	16	LC008DSG ④⑧	14-3/4	12-3/8	3-7/8	–	–	–	–
125	10	20	LC110DFCGP ④⑧⑨	14-3/4	12-3/8	3-7/8	–	–	–	–

ENCLOSED BREAKERS

100	2	4	LC100CS	17-1/8	7-1/8	4-1/4	LW100CR	17-3/8	7-3/8	4-3/8
100	2	4	LC200VS	19-3/4	8-1/2	4	LW200VR	19-3/4	8-3/8	4-5/8

MAIN LUG CIRCUIT BREAKER ENCLOSURES

60	–	–	–	–	–	–	LW002GR	8-1/4	5-3/8	4-1/2
200	2	4	LC004VS	19-3/4	8-1/2	4	LW004VR	19-3/4	8-3/8	4-5/8

① Cover type is specified by character in 7th (usually last) position, as follows:

S = Surface
F = Flush
C = Combination Surface/Flush

② Dimensions shown are representative of outside box length, width and depth ($\pm 1/8"$) and do not include allowance for mounting bumps, endwalls, hubs, or hardware protrusions. Allow approximately 1-1/4"

additional in length and width dimensions for surface or combination overhang.

③ Hub provision only. Closure plate included. Panels through 225 amp require HS type hub; panels over 225 amp require HV type hub.

④ Use neutral lug kit ECLK1 or ECLK2 as required.

⑤ Maximum breaker 100 amp.

⑥ LW004NRSPA50 is provided with a factory installed 2-pole 50 amp GFCI breaker.

LW004NRSPA60 is provided with a factory installed 2-pole 60 amp GFCI breaker.

⑦ Use of 60 amp GFCI requires use of 75°C copper wire.

⑧ Panel includes factory-installed ground bar.

⑨ Includes (2) MP115 and (1) MP230 breakers.

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