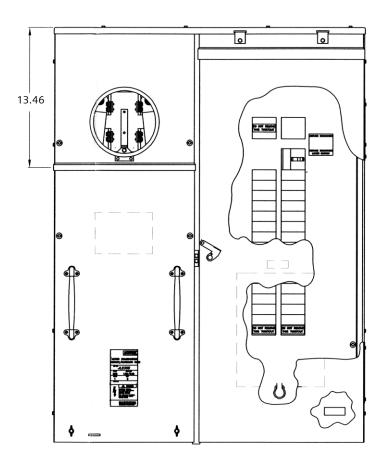
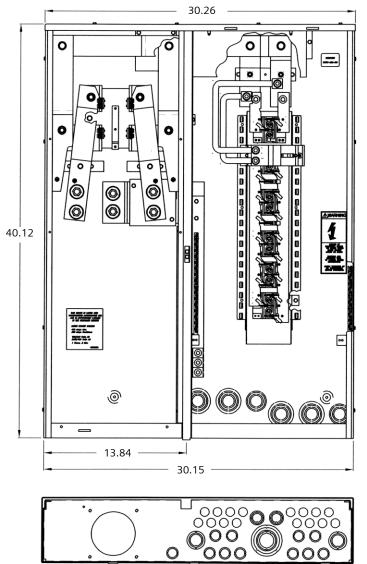
Meter/Load Center Combinations

FEATURES

- UL Listed only for use as service entrance equipment
- 22K AIC rated
- Underground feed only
- EUSERC approved
- 200 amp, factory installed main breaker
- Plug-in meter socket / ring type
- Uses HV type hubs





Amps	Socket	No. of	No. of	Catalog	Feed	Main	Field Added	Bypass
Max	Rating (Cont.)	Spaces	Circuits	Number		Type	Main Provisions	Type
300	320	30	40	MC3040MB21SS	UG	QNH	QP (100A max.)	Test Block
400	320	30	40	MC3040MB22SS	UG	QNH	QN (200A max.)	Test Block



SIEMENS

SIEMENS

Rainproof Combination Metering

MC3040MB21SS Use Copper or

RATINGS:

See Main Breaker Rating 120/240 Volts AC 1 Phase 3 Wire 208Y/120 Volts AC 1 Phase 3 Wire Meter Socket Rating: 400 Amps. Max 320 Amps. Continuous Branch Rating:

300 Amps. Rating of Device is sum total of Service Disconnects No. 1 and

(See Breaker Handle)

Suitable Only For Use As Service Equipment

when used as permitted by article 408 14 of the National Electrical Code. m of breaker rating not to exceed 140 amps. per branch circuit bus

Single pole circuit breakers with a single handle are not permitted for use in a two wire circuit connected to a three wire system.

Aluminium Wire

breaker terminal when breakers are so marked. All unused neutral branch Conductors Wire Size terminals can be used as equipment Copper and Aluminium grounding wire terminals. These terminals can be identified by the green or bare grounding wire and will Load Terminal accept the wire sizes listed under "Ground Bar Wire Size".

Ground Bar Wire Size Copper One #14 - #4 AWG or Two or Three

#14 - #10 AWG Aluminium One #12 - #4 AWG or Two or Three #12 - #10 AWG

Neutral Bar Wire Size Wire Size Tightening

Torque 20 Lb.-Ins. 20 Lb.-Ins. 14-10 AWG CU 12-10 AWG AL 8 AWG CU/AL 25 Lb.-Ins. 6 AWG CU/AL 35 Lb.-Ins. 45 Lb.-Ins. 4 AWG CU/AL

Tightening Torques 5/16" Nuts......13 ..130/140 in.-lbs. .240/260 in.-lbs. .490/540 in.-lbs. 3/8" Nuts

Enclosure Type 3R

for all panel terminals and on circuit Line Terminals A, B and N suitable for 60° / 75°C #1-250 kcmil AWG

See markings on breakers for torque requirements and conductor rating.

Accessories: Filler Plate-Cat. No. QF-3 For Semi-Flush installation use Flushing Rail Kit Cat No. FRK 30 x 40

Flashing must be placed over flanges to exclude water entering. For bottom entry Hubs, order "HV"

General Information: remove twistouts from trim only where breakers will be installed. All openings must be filled with breake or filler plates. Circuit breaker overload trip position is indicated by handle position midway between ON and OFF. To reset, move handle to OFF position then turn ON.

Underground Service Pull Section meets EUSERC drawing # 342

Terminals Suitable for 60° / 75°C Conductors Wire Copper or Aluminium insulated wire

Provisions for U.L. listed one or two hole NEMA mounting

Compression terminals to #750 kcmil, single conductor, type ACL or 2 ACL

THOMAS & BETTS #TBK-8

Pressure Terminals limited to #800 kcmil, twin conductor

Tighten All Electrical Connections Before Energizing. Do Not Work On This Equipment While Energized

Short Circuit Current Rating (Walthour meter not included in short circuit current rating).
This panelboard has maximum short circuit current rating of 22,000 Amps RMS symmetrical, 120/240V AC. The actual rating is dependent on the service disconnects and branch breakers installed in this panelboard. The correct service disconnects, branch breakers, and main/branch breaker series combinations to be used for various short circuit current levels are listed in the tabulation below. Any circuit breaker installed, replaced, or added in this panelboard must be manufactured by Siemens and must be of the correct Type as indicated in the

PANELBOARD MAIN	BRANCH BREAKER	SERVICE DISCONNECT	Then the maximum short circuit current rating in RMS symmetrical Amperes 120/240V AC is	
When the installed panelboard main breaker is a	And the branch breakers installed are Siemens Type	And the service disconnect installed in the upper section is a Siemens Type (100 Amp. MAX)		
Siemens Type	QP, QT, QPH, HQP, QPF, QAF, QPHF, QE, QEH, QAFH	QPH * or QP *	10 000	
QPMH, QNRH	QP (30A), QT (35-50A)	NONE or QPH *	112222	
or Murray Type MD-H or MD-HTR	QP (except 30A), QT (15-30A only) QPH, HQP, QPF, QPHF, QE, QEH, QAF, QAFH	NONE or QPH *	22 000	

* QP & QPH on Right Side Only.

Approved ILSCO (or equivalent)

Dual #6-350 kcmil....

Dual #4-350 kcmil.....

#250 - 800 kcmil...

#250 - 800 kcmil...

Phase Connections Cat. No. (ILSCO)

Neutral Connections Cat. No. (ILSCO)

*Dual #6-250 kcmil.....*AU250 *Special order - Connectors must have

mounting holes for 1/2" studs.

.D2021

D2017

..D2016

Siemens Energy & Automation, Inc.

Alpharetta, Georgia U.S.A.

Made in Canada DC 202-0043-001 Rev. 00

Use of other circuit breakers in this equipment will void the warranty.

Do not spray or allow any petroleum based chemicals, solvents or paint to contact interior components.

NOIT	A B	SERVICE DISCONNECT UPPER SECTION (100 A. MAXIMUM)
BARRIER BONDED NEUTRAL METER SECTION	N	\$\\ \begin{array}{c c c c c c c c c c c c c c c c c c c

Circuit Directory				
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B	B			
27. A	28. A			
B	1.0			
29. A	30.			
В.	В.			

Siemens Energy & Automation, Inc. 3333 Old Milton Parkway Alpharetta, GA 30005

1-800-964-4114

www.sea.siemens.com/reselec

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SIEMENS

Rainproof Combination Metering

MC3040MB22SS Use Copper or

See Main Breaker Rating 120/240 Volts AC 1 Phase 3 Wire 208Y/120 Volts AC 1 Phase 3 Wire Meter Socket Rating: 400 Amps. Max 320 Amps. Continuous

Branch Rating: 400 Amps. Rating of Device is sum total of Service Disconnects No. 1 and

(See Breaker Handle)

Suitable Only For Use As Service Equipment

when used as permitted by article 384 of the National Electrical Code. Sum of breaker rating not to exceed 140 amps. per branch circuit bus

Single pole circuit breakers with a single handle are not permitted for use in a two wire circuit connected to

Aluminium Wire

for all panel terminals and on circuit Line Terminals A, B and N suitable breaker terminal when breakers are so marked. All unused neutral branch terminals can be used as equipment grounding wire terminals. These terminals can be identified by the green or bare grounding wire and will Load Terminal accept the wire sizes listed under "Ground Bar Wire Size". See markings or requirements a

Ground Bar Wire Size Copper One #14 - #4 AWG or Two or Three #14 - #10 AWG

Aluminium
One #12 - #4 AWG or Two or Three #12 - #10 AWG

Neutral Bar Wire Size

	Torque
14-10 AWG CU	20 LbIns.
12-10 AWG AL	20 LbIns.
8 AWG CU/AL	25 LbIns.
6 AWG CU/AL	35 LbIns.
4 AWG CU/AL	45 LbIns.

Tightening To	orques:
5/16" Nuts	130/140 inlbs
3/8" Nuts	240/260 inlbs
1/2" Nuts	490/540 in albs

Enclosure

Type 3R

for 60° / 75°C Conductors Wire Size Copper and Aluminium #1-250 kcmil AWG

See markings on breakers for torque requirements and conductor rating.

Filler Plates: QF-3 (1") LX370FP (QPM, QPMH Breakers) LX400FP (QNR, QNRH Breakers) For Semi-Flush installation use Flushing Rail Kit Cat No. FRK 30 x 40 Flashing must be placed over flanges to exclude water entering. For bottom entry Hubs, order "HV"

General Information: remove twistouts from trim only where breakers will be installed. All openings must be filled with breake or filler plates. Circuit breaker overload trip position is indicated by handle position midway between ON and OFF. To reset, move handle to OFF position then turn ON.

Underground Service

Pull Section meets EUSERC drawing # 342

Terminals Suitable for 60° / 75°C Conductors Wire Copper or Aluminium insulated wire

Line Terminals

Provisions for U.L. listed one or two hole NEMA mounting terminals.

Compression terminals to #750 kcmil, single conductor.

Installation Tool: THOMAS & BETTS #TBK-8

sure Terminals limited to #800 kcmil, twin conductor,

Tighten All Electrical Connections Before Energizing. Do Not Work On This Equipment While Energized.

Short Circuit Current Rating (Watthour meter not included in short circuit current rating). This panelboard has maximum short circuit current rating of 22,000 Amps RMS symmetrical, 120/240V AC. The actual rating is dependent on the service disconnects and branch breakers installed in this panelboard. The correct service disconnects, branch breakers, and main/branch breaker series combinations to be used for various short circuit current levels are listed in the tabulation below. Any circuit breaker installed, replaced, or added in this panelboard must be manufactured by Siemens and must be of the correct Type as indicated in the

Approved ILSCO (or equivalent)

Dual #6-350 kcmil.

Neutral Connections

Dual #4-350 kcmil...

*Dual #6-250 kcmil..

#250 - 800 kcmil.

#250 - 800 kcmil.

Phase Connections Cat. No. (ILSCO)

*Special order - Connectors must have

mounting holes for 1/2" studs.

...D2021 .D2017

...AU350

D2016

.*AU250

PANELBOARD MAIN	BRANCH BREAKER	SERVICE DISCONNECT	Then the maximum short circuit current rating in RMS symmetrical Amperes 120/240V AC is	
When the installed panelboard main breaker is a	And the branch breakers installed are Siemens Type	And the service disconnect installed in the upper section is a Siemens Type (200 Amp. MAX)		
Siemens Type	QP, QT, QPH, HQP, QPF, QAF, QPHF, QE, QEH, QAFH	QPH*, QPM, QP* or QNR	10 000	
QPMH, QNRH	QP (30A), QT (35-50A)	NONE, QPHM or QNRH		
or Murray Type MD-H or MD-HTR	QP (except 30A), QT (15-30A only) QPH, HQP, QPF, QPHF, QE, QEH, QAF, QAFH	NONE, QPMH, QPH* or QNRH	22 000	

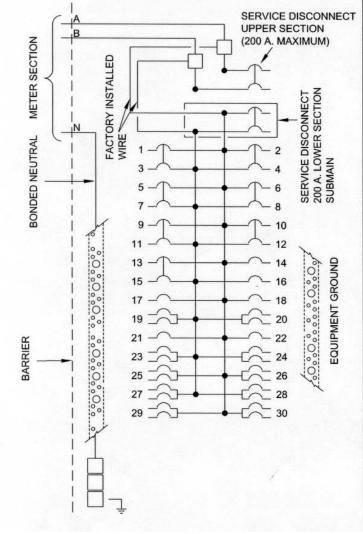
Siemens Energy & Automation, Inc. Alpharetta, Georgia U.S.A.

Made in Canada DC 202-0043-002 Rev. 00

* QP & QPH on Right Side Only.

Important

Use of other circuit breakers in this equipment will void the warranty. Do not spray or allow any petroleum based chemicals, solvents or paint to contact interior components. Circuit Directory 1. 3. 5 7. 8. 9 10. 11 12. 13 15 16. 17 18. 20. 19 В B. 21 22. 23. 24. A A B. B. 25. 26. B B 27. 28. B B 29. 30. B. B.



Siemens Energy & Automation, Inc. 3333 Old Milton Parkway Alpharetta, GA 30005

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