SIEMENS

Rainproof Combination Metering

Catalog Number

MC3042B1400SD/MC3042B1400FD

Enclosure
Type 3R

Class CTL Panelboard

Device Rating: 400 Amp, Max; 120/240 Volts ~, 1 phase, 3 wire

Meter Socket Rating: 400 Amp Max. 320 Amp Continuous

For installation by Qualified Person in accordance with all local electrical codes and/or the National Electrical Code.®

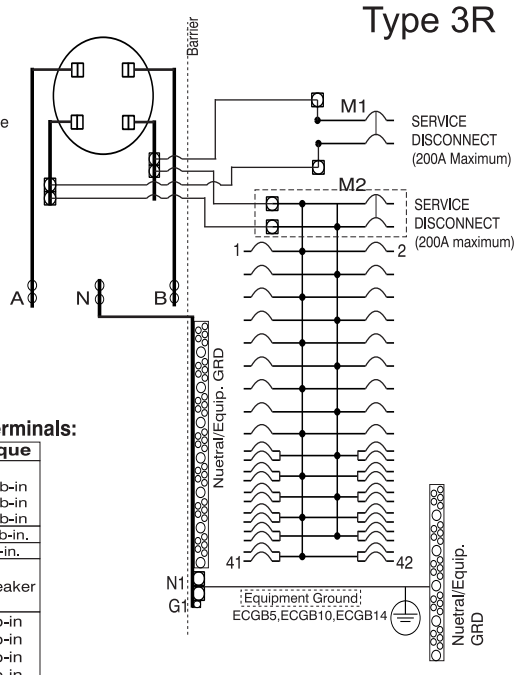
Suitable Only For Use As Service Equipment

For Underground Service Only

Terminals Suitable for 60°/75° C Copper or Aluminum Conductor

Unused neutral branch terminals may be used to terminate equipment grounding wires in the combinations indicated for equipment ground bar terminals.

General Information:
Circuit breaker trip position is indicated by handle position midway between ON and OFF. To reset, move handle to OFF position then turn ON.



Line Terminals:

Provisions for UL listed one or two hole NEMA mounting terminals.
Compression terminals to #750 kcmil, single conductor, ILSCO type ACL or 2ACL.
Installation Tool : THOMAS & BETTS #
TBM8 for #10-350kcmil(AL),#8-500kcmil(CU)
TBM8-750M-1 for #8-750kcmil(CU/AL)

Tightening Torques:

5/16" Nuts(1/2" Drive).....130-140 in-lbs
3/8" Nuts(9/16" Drive).....240-260 in-lbs
1/2" Nuts(3/4"Drive) .....490-540 in-lbs

Load, Neutral and Ground* Terminals:

Terminal	Wire Size	Torque
A, B, N SUK350TA SUK600TA SUK1000TA	 (2)#6-350kcmil #2-600kcmil 500-1000kcmil	 275 lb-in 375 lb-in 500 lb-in
N1	300 Kcmil - #4	250 lb-in.
G1	2/0 - #14	50 lb-in.
Branch Breaker Terminals	See Markings on Breaker	
Neutral Bar/ Ground Bar (1/0-14)	#10 - #14 CU #10 - #12 AL #8 1/0 - #6	35 lb-in 35 lb-in 40 lb-in 45 lb-in
Neutral Bar/ Ground Bar (6-14)	#10 - #14 CU #10 - #12 AL #8 #6	20 lb-in 20 lb-in 25 lb-in 35 lb-in

* Only Equipment Ground Terminals may use more than one wire per terminal.

Ground Terminal Size	Wire Range	Torque
1/0-#14	(2 or 3) #12-14 CU, (2 or 3) #10-12 AL, (2) #10 CU (3) #10 CU	35 lb-in 35 lb-in 35 lb-in 50 lb-in
#6-#14	(2) #12-14 CU, (2) #12AL	20 lb-in 20 lb-in
#4-#14 (ECGB)	(1, 2 or 3)#14, (1 or 2) #12-#10 #8 #6-#4	20 lb-in 20 lb-in 25 lb-in 35 lb-in

Accessories:

Filler Plate	QF3 or ECQF3
200 Amp Main Breaker	QN2200RH
150 Amp Main Breaker	QN2150RH
Flush Rail Kit	ECFRK1
Mechanical Interlock	ECQML12
Standby Interlock Kit	ECSBPK05
Standby Interlock Kit	ECSBPK07
LUG #6-350 kcmil	SUK350TA
LUG #2-600 kcmil	SUK600TA
LUG 500-1000 kcmil	SUK1000TA
LUG KIT #2-2/0	ECLK2125
LUG KIT #8-2/0	ECLK2150
LUG KIT #2-300kcmil(**200A MAX**)	ECLK2225

If hub is required, use the catalog numbers listed below:

Trade size (in)	Catalog number
HD Type Hub (Top and Bottom Endwall) (Top Hub Opening Available Only On Surface Mounted Devices)	
2"	EC56854
2 ½"	EC56855
3"	EC56856
3 ½"	EC56857
4"	EC56858
Closure Plate	EC56933S

WARNING:
Removal of meter does not de-energize circuit when By-Pass provided.

Short Circuit Current Rating (Watthour Meter not included in short circuit rating)
This panelboard has a short circuit current rating of 22,000 Amps RMS symmetrical, 120/240 V~. The actual rating is dependent on the service disconnects and branch breakers installed in this panelboard. The correct Service disconnects, branch circuit 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 tabulations below.

PANELBOARD SERVICE DISCONNECT M2 **	BRANCH BREAKER	SERVICE DISCONNECT M1	Then the maximum short circuit current rating in RMS symmetrical Amperes, 120/240 Vac is:
When the installed panelboard service disconnect is a Siemens Type	And the branch breakers installed are Siemens Type	And the second installed service disconnect is a Siemens Type	
QNRH	QP, QT, QPH, HQP, QPF, QPHF, QAF, QAFH, QE, QEH, QNR, QNRH, QG	QP, QNR	10,000
	QP, QT, QPH, HQP, QPF, QPHF, QAF, QAFH, QE, QEH, QNRH	QPH, QNRH	22,000
** The factory installed main is Type QNRH			

Siemens Industry, Inc. Norcross, Georgia U.S.A.

MANUFACTURING DATE: J2 4099916 REV. G

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

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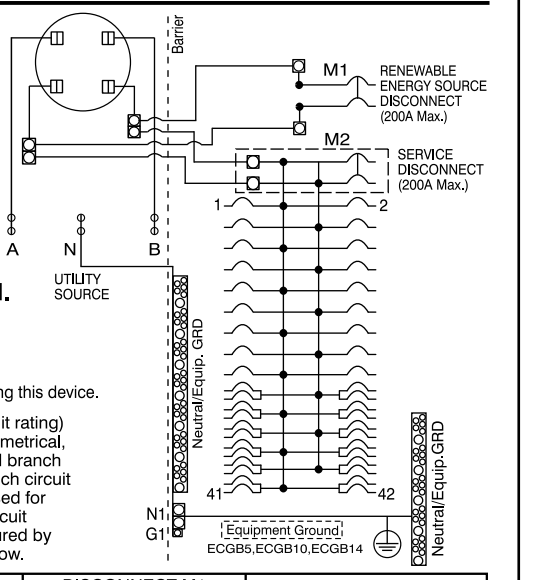
ASSEMBLED IN MEXICO

MC3042B1400SD Alternate Application Information

For use when a Renewable Energy Source is connected to M1 circuit breaker. Refer to wiring diagram above for information not shown on this label.

System installation must be by a Qualified Person and must meet all local utility and National Electical Code® requirements.

Upon loss of primary source (utility power), the Renewable Energy Source shall be automatically disconnected from all ungrounded conductors of the primary source and shall not be reconnected until the primary source is restored.



When M1 is used as a Renewable Energy Source Disconnect:
Device Rating: 200 Amp, Max; 120/240 Volts ~, 1 Phase, 3 Wire
Meter Socket Rating: 200 Amp Continuous

M1 disconnects Renewable Energy Source but does not disconnect power feeding this device.

Short Circuit Current Rating (Watthour Meter not included in short circuit rating)
This panelboard has a short circuit current rating of 22,000 Amps RMS symmetrical, 120/240 V~. The actual rating is dependent on the Service Disconnect and branch breakers installed in this panelboard. The correct Service Disconnect, branch circuit breakers and Renewable Energy Source Disconnect 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 tabulations below.

PANELBOARD SERVICE DISCONNECT M2***	BRANCH BREAKER	DISCONNECT M1	Then the maximum short circuit current rating in RMS symmetrical Amperes, 120/240 Vac is:
When the installed panelboard service disconnect is a Siemens Type	And the branch breakers installed are Siemens Type	And the second installed Disconnect is a Siemens Type	
QNRH	QP, QT, QPH, HQP, QPF, QPHF, QAF, QAFH, QE, QEH, QNR, QNRH, QG	QP, QNR	10,000
	QP, QT, QPH, HQP, QPF, QPHF, QAF, QAFH, QE, QEH, QNRH	QPH, QNRH	22,000

***The factory installed main is Type QNRH

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