

# SIEMENS

## Rainproof Combination Metering

Catalog Number **MC3042B1400SDB**

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

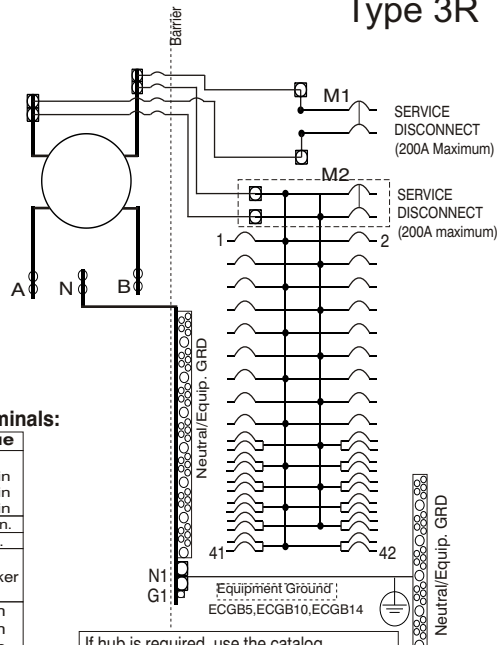
### For Overhead/Underground Service

### 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.



### Load, Neutral and Ground\* Terminals:

| Terminal                 | Wire Size               | Torque     |
|--------------------------|-------------------------|------------|
| A, B, N                  |                         |            |
| SUK350TA                 | (2) #6-350kcmil         | 275 lb-in  |
| SUK600TA                 | #2-600kcmil             | 375 lb-in  |
| SUK1000TA                | 500-1000kcmil           | 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              | #10 - #14 CU            | 35 lb-in   |
| Ground Bar (1/0-14)      | #10 - #12 AL            | 35 lb-in   |
|                          | #8                      | 40 lb-in   |
|                          | 1/0 - #6                | 45 lb-in   |
| Neutral Bar              | #10 - #14 CU            | 20 lb-in   |
| Ground Bar (6-14)        | #10 - #12 AL            | 20 lb-in   |
|                          | #8                      | 25 lb-in   |
|                          | #6                      | 35 lb-in   |

### 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

### Manual By-Pass Nut

Torque 130-140 in-lbs

### Accessories:

|                               |              |
|-------------------------------|--------------|
| Filler Plate                  | QF3 or ECQF3 |
| 200 Amp Main Breaker          | QN2200RH     |
| 150 Amp Main Breaker          | QN2150RH     |
| LUG #6-350 kcmil              | SUK350TA     |
| LUG #2-600 kcmil              | SUK600TA     |
| LUG 500-1000 kcmil            | SUK1000TA    |
| Flush Rail Kit                | ECFRK1       |
| Mechanical Interlock          | ECQML12      |
| Standby Interlock Kit         | ECSBPK05     |
| Standby Interlock Kit         | ECSBPK07     |
| K4 By Pass                    | H46495       |
| LUG KIT #2-2/0                | ECLK2125     |
| LUG KIT #8-2/0                | ECLK2150     |
| LUG KIT #2-300kcmil(200A MAX) | ECLK2250     |

\* 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, | 35 lb-in |
|                      | (2 or 3) #10-12 AL, | 35 lb-in |
|                      | (2) #10 CU          | 35 lb-in |
|                      | (3) #10 CU          | 50 lb-in |
| #6-#14               | (2) #12-14 CU,      | 20 lb-in |
|                      | (2) #12AL           | 20 lb-in |
| #4-#14 (ECGB)        | (1, 2 or 3) #14,    | 20 lb-in |
|                      | (1 or 2) #12-#10    | 25 lb-in |
|                      | #8                  | 35 lb-in |

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 1/2"        | EC56855  |
| 3"            | EC56856  |
| 3 1/2"        | EC56857  |
| 4"            | EC56858  |
| Closure Plate | EC56933S |

### WARNING:

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

Short Circuit Current Rating (Withour 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 Energy & Automation, Inc. Alpharetta, Georgia U.S.A.

MANUFACTURING DATE:

J2

4099930 REV. E

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

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