

SIEMENS

Rainproof Combination Metering

Catalog Number **MC2442B1400SDB**

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.

Sum of QP, QPH or HQP breaker rating is not to exceed 140 amps per branch circuit bus stab.

Any QP, QPH, or HQP breaker 100 Amps or more must be connected to the bottom two stabs.

Load, Neutral and Ground* Terminals:

| Terminal | Wire Size | Torque |
|--------------------------|--------------------------------|----------------------------------|
| A | H56425 (2) #6-350kcmil | 275 lb-in |
| B | H56477 3/0-800kcmil | 500 lb-in |
| N | H56732 (2) #4-350kcmil | 275 lb-in |
| | H56476 3/0-800kcmil | 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 #8 1/0 - #6 | 35 lb-in 40 lb-in 45 lb-in |
| Neutral Bar | #10 - #14 CU | 20 lb-in |
| Ground Bar (6-14) | #10 - #12 AL #8 #6 | 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, | 35 lb-in |
| | (2 or 3) #10-12 AL, | 35 lb-in |
| | (2) #10 CU | 35 lb-in |
| #6-#14 | (3) #10 CU | 50 lb-in |
| | (2) #12-14 CU, (2) #12AL | 20 lb-in 20 lb-in |
| #4-#14 (ECGB) | (1, 2 or 3) #14, | 20 lb-in |
| | (1 or 2) #12-#10 | 25 lb-in |
| | #8 #6-#4 | 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 |
| 600 Amp Main Breaker | JXD22B400 |
| LUG #6-350 kcmil | H56425 |
| LUG #3/0-800 kcmil | H56477 |
| LUG #4-350 kcmil | H56732 |
| LUG #3/0-800 kcmil | H56476 |
| Flush Rail Kit | ECFRK1 |
| Mechanical Interlock | ECQML12 |
| K4 By Pass | H56495 |
| LUG KIT #2-2/0 | ECLK2125 |

Short Circuit Current Rating (Wattour 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 correct 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 MAIN | BRANCH BREAKER | Then the maximum short circuit current rating in RMS Symmetrical Amperes 120/240V AC is |
|--|--|---|
| When the installed panelboard main breaker is a Siemens type | And the branch breakers installed are Siemens type | |
| JXD2-A | QP, QT, QPF, QAF, QE, QNR | 10,000 |
| | QPH, HQP, QPHF, QEH, QAFH, QNR, QNRH | 22,000 |

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

MANUFACTURING DATE:

J2

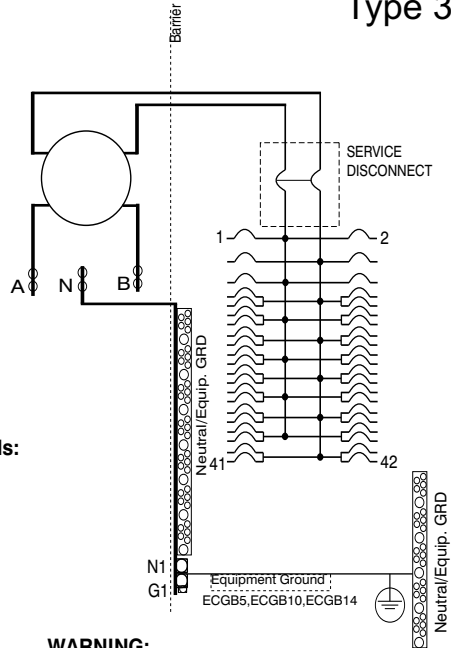
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Important Do not spray or allow any petroleum based chemicals, solvents, or paint to contact interior components.

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ASSEMBLED IN MEXICO



WARNING:

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

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