

# SIEMENS

## Rainproof Combination Metering

Enclosure  
**Type 3R**

Catalog Number

**MC2040B1200S (SURFACE)**  
**MC2040B1200F (SEMI-FLUSH)**  
**MC2040B1200SZ (SURFACE - NO TOP EXIT)**  
**MC2040B1200FZ (SEMI-FLUSH - NO TOP EXIT)**

Panelboard Rating:

200 Amps. Max  
 See service disconnect handle  
 120/240 Volts V~, 1 Phase, 3 Wire  
 208Y/120 Volts V~, 1 Phase, 3 Wire with 5th Jaw  
 (Derived from 3 Phase - 4 Wire System)

Meter Socket Rating

200 Amps. Continuous

For installation by qualified persons in accordance with all local electrical codes and/or the National Electrical Code @.

**Suitable Only For Use As Service Equipment**  
**Use Copper or Aluminum Wire**  
**For Overhead Service Only**

Line Terminals A, B and N

Suitable for 60°/75° C Conductors

Wire Size #1 AWG-250 kcmil

Torque Terminals to 250 Lb-in.

Neutral Bar Wire Size

Suitable for 60°/75° C Conductors wire size

4-14 AWG CU/AL torque terminals per chart:

TERMINALS	WIRE	TORQUE
NEUTRAL BARS	10-14 CU/10-12 AL 8 AWG 6/4 AWG	20 LB-INS 25 LB-INS 35 LB-INS

Branch Breaker Terminals

Suitable for 60°/75° C Copper or Aluminum conductors. See markings on breaker for torque requirements and conductor rating.

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 accept the wire size 4-14 AWG CU/AL.

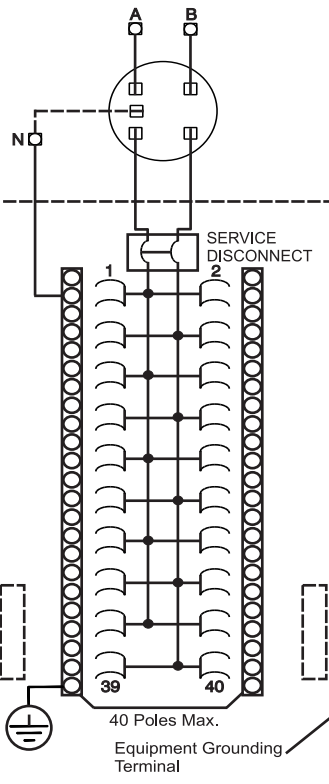
Short Circuit Current Rating (Wattour Meter not included in short circuit rating)

This panelboard has a short circuit current rating of 22,000 Amps RMS symmetrical, 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.

Main Breaker	Branch Breaker	Then the maximum short circuit rating in RMS symmetrical amperes, 240V~is:
When the main breaker is:	And the branch breakers installed are type:	
EQ9685	QP, QPH, QT, QPF, QPHF, QAF, QAFH, QE, QEH, MP-T, MP-HT, MH-T, MP-GT, MP-HGT, MP-AT, MP-HAT, MP-ET and MP-HET	22,000

**WARNING: This device has been designed for use only with those circuit breakers as listed above. Use of other circuit breakers in this device will void the warranty and could result in property damage or personal injury.**

**Important:** Do not allow petroleum based (hydrocarbon) sprays, chemicals, solvents or any paint to contact interior components. Petroleum based chemicals can cause degradation of electrical insulating materials.



Accessories

Filler Plate Cat. No. ECQF3  
 5th Jaw Cat. No. EC659-0121  
 Mechanical Interlock Cat. No. ECQML12  
 Equipment Ground Bars Cat. No. series "ECLX"  
 (Ground Bar mounting screws are furnished with device).  
 Lug Kits - Cat Nos. ECLK1-2 and ECLK2

### EQUIPMENT GROUND BAR

TERMINALS ARE SUITABLE FOR THE FOLLOWING WIRE COMBINATIONS:

**SMALL TERMINALS:** ONE 14 TO 6 AWG CU; ONE 12 TO 6 AWG AL; TWO 14 AWG CU; TWO 12 AWG CU; TWO 12 AWG AL SOLID WIRES.

**LARGE TERMINALS:** ONE 14 TO 2 AWG CU; ONE 12 TO 2 AWG AL; TWO OR THREE 14 AWG CU; TWO OR THREE 12 AWG CU OR AL; TWO 10 AWG CU; TWO OR THREE 10 AWG AL; THREE 10 AWG CU SOLID WHEN TORQUED TO 50 LB-IN; THREE 10 AWG CU STRANDED.

TERMINALS	WIRE	TORQUE
SMALL TERMINALS	10-14 AWG	20 LB-IN
	8 AWG	25 LB-IN
	6 AWG	35 LB-IN
LARGE TERMINALS	10-14 AWG	25 LB-IN
	8 AWG	40 LB-IN
	2-6 AWG	45 LB-IN

TERMINALS	WIRE	TORQUE
ECLK1-2 NEUTRAL LUG KIT	2/0-2 AWG	45 LB-INS
ECLK2 NEUTRAL LUG KIT	2/0-4 AWG	135 LB-INS

If a hub is required, the catalog numbers listed below may be used on this enclosure.

TRADE SIZE (IN)	CATALOG NUMBER
1 1/4"	EC38597
1 1/2"	EC38598
2"	EC38599
2 1/2"	EC35600

General Information:

Remove twistouts from deadfront only where breakers will be installed. All openings must be filled with breakers 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.