

## Indoor Load Center

Enclosure

### Type 1

FOR INSTALLATION BY A QUALIFIED PERSON IN ACCORDANCE WITH ALL LOCAL ELECTRICAL CODES  
AND/OR THE NATIONAL ELECTRICAL CODE®.

**SUITABLE FOR USE AS SERVICE EQUIPMENT WHEN MAIN BREAKER IS INSTALLED.** WHEN USED AS SERVICE EQUIPMENT, APPLY "SERVICE DISCONNECT" LABEL TO FRONT NEXT TO MAIN BREAKER HANDLE..

WHEN USED AS SERVICE EQUIPMENT, UNUSED NEUTRAL BAR TERMINALS MAY BE USED TO TERMINATE EQUIPMENT GROUNDING WIRES IN THE COMBINATIONS INDICATED FOR EQUIPMENT GROUND BAR TERMINALS.

WHEN THE NEUTRAL TIE STRAP IS REMOVED, THE LEFT NEUTRAL BAR WILL BECOME THE EQPT. GROUND. INSTALL LUG KIT ECLKB1 ON MAIN LUG DEVICES. ON MAIN BREAKER DEVICES, MOVE GREEN BONDING SCREW TO LEFT BAR.

SUM OF QT BREAKER RATING IS NOT TO EXCEED 110 AMPS PER BRANCH CIRCUIT BUS STAB.

TO RESET BREAKERS WITH TRIPPED HANDLE POSITION BETWEEN "ON" AND "OFF", MOVE HANDLE TO "OFF" THEN TO "ON".

REMOVE TWISTOUTS FROM TRIM ONLY WHERE BREAKERS WILL BE INSTALLED. ALL OPENINGS MUST BE FILLED WITH BREAKERS OR FILLER PLATES. USE TWO QF3 FILLER PLATES TO FILL 150-225A MAIN BREAKER OPENING.

THIS LOAD CENTER IS INVERTIBLE FOR BOTTOM FEED APPLICATIONS.

Siemens Industry, Inc. Norcross, Georgia U.S.A. J2 40900312 0101 Rev.A

**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.

**Hazardous Voltage.**  
Will cause death, serious injury  
or substantial property damage.

Turn off power supplying this equipment before working inside.

**Voltaje peligroso. Causará la muerte, lesiones graves o daño substancial a la propiedad.**

Desconecte el suministro de energía a este equipo antes de trabajar en su interior.

### SHORT CIRCUIT CURRENT RATING

THIS PANELBOARD HAS A MAXIMUM SHORT CIRCUIT CURRENT RATING OF 100,000 AMPS RMS SYMMETRICAL, 120/240V~. THE ACTUAL RATING IS DEPENDENT ON THE BRANCH BREAKERS INSTALLED IN THIS PANELBOARD AND THE MAIN/FEEDER BREAKER. IF, ANY, INSTALLED AHEAD OF THIS PANELBOARD, THE CORRECT MAIN BREAKER/FEEDER/MAIN BREAKER/PANELBOARD MAIN BREAKER/BRANCH BREAKER SERIES COMBINATIONS TO BE USED 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 TABULATION BELOW. USE OF OTHER CIRCUIT BREAKERS IN THIS EQUIPMENT WILL VOID THE WARRANTY.

| MAIN BREAKER                                                                                                                                                                                                                                                                             | FEEDER/MAIN BREAKER                                          | PANELBOARD MAIN                                                     | BRANCH BREAKER                                                        | THEN THE MAX. SHORT CIRCUIT CURRENT RATING IN RMS SYMMETRICAL AMPS, 120/240 V ~ IS |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|---------------------------------------------------------------------|-----------------------------------------------------------------------|------------------------------------------------------------------------------------|
| WHEN THE MAIN PROTECTING THE SYSTEM IS A                                                                                                                                                                                                                                                 | AND THE BREAKER PROTECTING THIS PANELBOARD IS A SIEMENS TYPE | AND THE INSTALLED MAIN BREAKER IN THIS PANELBOARD IS A SIEMENS TYPE | AND THE BRANCH BREAKERS INSTALLED ARE SIEMENS TYPE                    |                                                                                    |
| NONE USED                                                                                                                                                                                                                                                                                | QN, QNR                                                      | NONE USED                                                           | QP, QT, QPH, HQP, QPF, QPHF, QFP, QE, QEH, QAF, QAFH, QNR, QNRH, HQNR | 10,000                                                                             |
| NONE USED OR SIEMENS BREAKER TYPES FD6(-A), FXD6(-A), HFD6, HFXD6, JXD2(-A), JD6(-A), JXD6(-A), HJD6(-A), HJXD6(-A), LD6(-A), LXD6(-A), HLD6(-A), HLXD6(-A), MD6, MXD6, HMD6, HMXD6, ND6, NXD6, HND6, HNXD6, PD6, PXD6, HPD6, HPXD6, RD6, RXD6, HRD6, HRXD6, OR CLASS J, T, R OR L FUSES | QPP, QJ2, QPM                                                | EQ8693, EQ8695 OR QP                                                |                                                                       |                                                                                    |
|                                                                                                                                                                                                                                                                                          | NONE USED OR QPMH                                            | EQ8693 OR EQ8695                                                    | QP, QT, QPH, HQP, QPF, QPHF, QE, QEH, QAF, QAFH, QNR, QNRH, HQNR      | 22,000                                                                             |
| NONE USED                                                                                                                                                                                                                                                                                | QNH, QNRH                                                    | NONE USED, EQ8693, EQ8695 OR QPH                                    |                                                                       |                                                                                    |
| NONE USED OR SIEMENS BREAKER TYPES FD6(-A), FXD6(-A), HFD6, HFXD6, JXD2(-A), JD6(-A), JXD6(-A), HJD6(-A), HJXD6(-A), LD6(-A), LXD6(-A), HLD6(-A), HLXD6(-A), MD6, MXD6, HMD6, HMXD6, ND6, NXD6, HND6, HNXD6, PD6, PXD6, HPD6, HPXD6, RD6, RXD6, HRD6, HRXD6, OR CLASS J, T, R OR L FUSES | QPPH, QJH2                                                   |                                                                     | QPH, QPHF, QEH, QAFH, QNRH                                            | 42,000                                                                             |
|                                                                                                                                                                                                                                                                                          | NONE USED                                                    | NONE USED                                                           | QP, QPH, HQP, QNR, QNRH, HQNR                                         |                                                                                    |
|                                                                                                                                                                                                                                                                                          | QJ2H                                                         | NONE USED                                                           |                                                                       |                                                                                    |
| SIEMENS BREAKER TYPES FD6(-A), FXD6(-A), HFD6, HFXD6, JXD2(-A), JD6(-A), JXD6(-A), HJD6(-A), HJXD6(-A), LD6(-A), LXD6(-A), HLD6(-A), HLXD6(-A), MD6, MXD6, HMD6, HMXD6, ND6, NXD6, HND6, HNXD6, PD6, PXD6, HPD6, HPXD6, RD6, RXD6, HRD6, HRXD6, OR CLASS J, T, R OR L FUSES              | QN, QNH, QNR, QNRH, HQNR, HQPP                               | NONE USED, EQ8693, EQ8695 OR HQP                                    | QP, QT, QPH, HQP, QPF, QPHF, QE, QEH, QAF, QAFH, QNR, QNRH, HQNR      | 65,000                                                                             |
|                                                                                                                                                                                                                                                                                          | HQPP, HQN, HQNR                                              |                                                                     |                                                                       |                                                                                    |
| NONE USED                                                                                                                                                                                                                                                                                | NONE USED                                                    | NONE USED                                                           | HQP, HQNR                                                             |                                                                                    |
| NONE USED OR SIEMENS BREAKER TYPES HFD6, HFXD6, HJD6(-A), HJXD6(-A), HLD6(-A), HLXD6(-A), HMD6, HMXD6, HND6, HNXD6, HPD6, HPXD6, HRD6, HRXD6, OR CLASS J, T, R OR L FUSES                                                                                                                | HQPPH                                                        | NONE USED OR EQ8693 OR EQ8695                                       | QP, QT, QPH, HQP, QPF, QPHF, QE, QEH, QAF, QAFH                       | 100,000                                                                            |
|                                                                                                                                                                                                                                                                                          | HQJ2H                                                        | NONE USED                                                           |                                                                       |                                                                                    |

‡ THIS PANELBOARD IS A MAIN LUG DEVICE THAT MAY BE CONVERTED TO MAIN BREAKER WITH THE ADDITION OF FIELD INSTALLED MAIN BREAKER KIT OR A MAIN BREAKER DEVICE THAT MAY BE CONVERTED TO MAIN LUG WITH THE ADDITION OF MAIN LUGS. SEE ACCESSORY TABLE FOR CATALOG NUMBERS OF APPROPRIATE KITS.

**USE COPPER OR ALUMINUM 60°/75°C WIRE**

SEE BREAKER MARKINGS FOR WIRE SIZE AND TORQUE REQUIREMENTS.

| TERMINALS                                                                 | WIRE                                  | TORQUE                              |
|---------------------------------------------------------------------------|---------------------------------------|-------------------------------------|
| A, B, N                                                                   | 300 kcmil - 4 AWG                     | 275 LB-INS                          |
| G                                                                         | 2/0-4 AWG                             | 110 LB-INS                          |
| NEUTRAL/GROUND BARS<br>(USE TYPE EC2GB or EC3GB<br>GND BAR KIT ACCESSORY) | 10-14 CU/10-12 AL<br>8 AWG<br>6-4 AWG | 20 LB-INS<br>25 LB-INS<br>35 LB-INS |
| GROUND CONDUCTORS ONLY                                                    | (2) or(3) 14 AWG<br>(2) 12-10 AWG     | 20 LB-INS<br>20 LB-INS              |
| ECLK1-2 NEUTRAL LUG KIT                                                   | 2/0-2 AWG                             | 45 LB-INS                           |
| ECLK2 NEUTRAL LUG KIT                                                     | 2/0-4 AWG                             | 135 LB-INS                          |
| ECLK3 NEUTRAL LUG KIT                                                     | 300 kcmil - 1 AWG                     | 340 LB-INS                          |
| MAIN LUG/MAIN BRKR TO BUS CONNECTION (1/4-20 NUT)                         |                                       | 45 LB-INS                           |
| BONDING SCREW                                                             |                                       | 45 LB-INS                           |

