

# SIEMENS

## Indoor Load Center

Enclosure

Type 1

Enclosure Number:  
P4040B1200, P4040B1200CU  
P4040L1200, P4040L1200CU

RATINGS: 200A MAXIMUM - SEE MAIN BREAKER RATINGS IF USED.  
BACK-FED BREAKER REQUIRES HOLD-DOWN KIT ECOMB2.

120/240 V ~, 60 HZ, 10 3W

208Y/120 V ~, 60 HZ, 10 3W

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

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

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

REMOVE TRIM OUTS FROM TRIM ONLY WHERE BREAKERS WILL BE INSTALLED. ALL OPENINGS MUST BE FILLED WITH BRASS OR STEEL PLATES. USE TWO QFS FILLER PLATES TO FILL 150-250A MAIN BREAKER OPENING.

THIS LOAD CENTER IS INVERTIBLE FOR BOTTOM FEED APPLICATIONS.

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

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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.

**⚠ DANGER**

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

Turn off power supplying this equipment before working inside.

**⚠ PELIGRO**

**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 MAIN BREAKER FEEDER MAIN BREAKER 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 OTHER FEEDER MAIN BREAKER INSTALLED IN THIS PANELBOARD OR ANY OTHER MAIN BREAKER INSTALLED IN THIS EQUIPMENT WILL VOID THE WARRANTY. CORRECT THE AS INDICATED IN THE TABULATION BELOW. USE OF OTHER CIRCUIT BREAKERS IN THIS EQUIPMENT WILL VOID THE WARRANTY.

| MAIN BREAKER   | FEEDER MAIN BREAKER AND THE BREAKER PROTECTING THIS PANELBOARD IS A SIEMENS TYPE | PANELBOARD MAIN AND THE INSTALLED MAIN BREAKER IN THIS PANELBOARD IS A SIEMENS TYPE | BRANCH BREAKERS INSTALLED ARE SIEMENS TYPE                    | THEN THE MAX. SHORT CIRCUIT CURRENT RATING SYMMETRICAL AMPS, 120/240 V ~ IS |
|--|--|---|---|---|
| WHEN THE MAIN PROTECTING THE SYSTEMS IS A NONE USED  | ON, QNR  | ON, QNR   | OP, OPFH, HOP, OPFH, OPFH, OE, OEH, OAH, OAH, ONR, ONRH, HONR | 10,000  |
| NONE USED OR SIEMENS BREAKER TYPES FD6(A), FXD6(A), HFD6, HFxD6, JXD2(A), JD6(A), XJD6(A), HJD6(A), HXJD6(A), LD6(A), LXD6(A), HLD6(A), HLD6(A), MD6, MXD6, HMD6, NDS, NDS, HND6, HND6, PD6, PXD6, IPD6, HPXD6, RD6, RXD6, HRD6, HRD6, OR CLASS J, T, R OR L FUSES | OPR Q2P, OPM   | OPR Q2P, OPM  | OP, OPFH, HOP, OPFH, OPFH, OE, OEH, OAH, OAH, ONR, ONRH, HONR | 22,000  |
| NONE USED OR SIEMENS BREAKER TYPES FD6(A), FXD6(A), HFD6, HFxD6, JXD2(A), JD6(A), XJD6(A), HJD6(A), HXJD6(A), LD6(A), LXD6(A), HLD6(A), HLD6(A), MD6, MXD6, HMD6, NDS, NDS, HND6, HND6, PD6, PXD6, IPD6, HPXD6, RD6, RXD6, HRD6, HRD6, OR CLASS J, T, R OR L FUSES | ON, QNR, HONR, HOP   | ON, QNR, HONR, HOP  | OP, OPFH, OPH, OPH, OE, OEH, OAH, OAH, ONR, ONRH, HONR        | 42,000  |
| WHEN THE MAIN PROTECTING THE SYSTEMS IS A NONE USED  | HO, 2P   | HO, 2P  | OP, OPFH, OPH, OPH, OE, OEH, OAH, OAH, ONR, ONRH, HONR        | 66,000  |
| NONE USED OR SIEMENS BREAKER TYPES HFD6, HFxD6, HJD6(A), HXJD6(A), HLD6(A), HLD6(A), MD6, MXD6, HMD6, NDS, NDS, HND6, HND6, PD6, PXD6, IPD6, HPXD6, RD6, RXD6, HRD6, HRD6, OR CLASS J, T, R OR L FUSES   | HOP, HON, HONR   | HOP, HON, HONR  | HOP, HONR   | 100,000   |

‡ 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. SEE BREAKER MARKINGS FOR WIRE SIZE AND TORQUE REQUIREMENTS

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

| TERMINALS   | WIRE                 | TORQUE      |
|---|----------------------|-------------|
| A, B  | 300 kcmil - 4 AWG    | 2.75 LB-INS |
| N   | 4/0 - 4 AWG CU       | See Breaker |
| G   | 300 kcmil - 4 AWG AL | T10 LB-INS  |
| MAIN BREAKER  | 3/0 AWG CU           | See Breaker |
| NEUTRAL GROUND BARS                                 | 250 kcmil AL Mex.    | 20 LB-INS   |
| USE TYPE EC2GB OR EC3GB                             | 10-14 AWG 12 AL      | 24 LB-INS   |
| GROUND CONDUCTORS ONLY                              | 8 AWG                | 35 LB-INS   |
| EQLK42: NEUTRAL LUG KIT                             | (2) 12-10 AWG        | 20 LB-INS   |
| EQLK2: NEUTRAL LUG KIT                              | 20x2 AWG             | 45 LB-INS   |
| EQLK3: NEUTRAL LUG KIT                              | 20x4 AWG             | 135 LB-INS  |
| MAIN LUG MAIN BREAKER TO BUS CONNECTION (11-20 NUT) | 300 kcmil - 1 AWG    | 340 LB-INS  |
| BONDING SCREW                                       | 3/16" x 1/2"         | 45 LB-INS   |

### ACCESSORIES

| DESCRIPTION                                       | CAT. NO. |
|---|----------|
| DOOR LOCK   | ECDFL2   |
| FILLER PLATE, 1"                                  | QF3      |
| BREAKER HOLD-DOWN                                 | ECMBR2   |
| BONDABLE GROUND LUG                               | EQLK81   |
| SURFED LUG KITS:                                  | EQLK2125 |
| EQLK2150, EQLK2225                                |          |
| STANDBY POWER INTERLOCK KITS:                     |          |
| ECSPBK01, ECSPBK02, ECSPBK03,                     |          |
| ECSPBK05, ECSPBK06, ECSPBK07                      |          |
| MAIN LUG / MAIN BREAKER KITS                      |          |
| USE APPROPRIATE KIT FROM CATALOG TO CONVERT PANEL |          |
| DESCRIPTION                                       | CAT. NO. |
| 150 AMP MAIN BREAKER                              | MK150A   |
| 200 AMP MAIN BREAKER                              | MK200A   |
| 150-250 AMP MAIN LUG                              | EOMLK225 |

