SIEMENS

Indoor Riser Load Center

Catalog Number
R3042L1200CU

Enclosure
Type 1

RATINGS:
200A MAXIMUM - SEE MAIN BREAKER RATING IF USED.
BACK-FED BREAKER REQUIRES HOLD-DOWN KIT ECMBR2.
120/240 V~, 60 HZ, 1Ø 3W
208Y/120 V~, 60 HZ, 1Ø 3W

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

3 PHASE 4 WIRE FEEDER CABLES ARE PERMISSIBLE. SIZE IN ACCORDANCE WITH AVAILABLE CONDUIT SIZE AND THE NATIONAL ELECTRICAL CODE ®.

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

MAXIMUM BREAKER SIZE WHEN USING 75°C WIRE
LEFT SIDE: CU 100A, AL 70A
RIGHT SIDE: CU 60A, AL 50A

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.

Assembled in Mexico

Siemens Industry, Inc. Norcross, Georgia U.S.A. **J2** 4099939 Rev.B

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.
THIS EQUIPMENT HAS BEEN DESIGNED FOR USE ONLY WITH THOSE CIRCUIT BREAKERS LISTED IN THE SHORT CIRCUIT CURRENT RATING CHART LISTED ABOVE. USE OF OTHER CIRCUIT BREAKERS IN THIS EQUIPMENT WILL VOID THE WARRANTY.

⚠ 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 BRANCH BREAKERS INSTALLED IN THIS PANELBOARD AND THE FEEDER/MAIN BREAKER, IF ANY, INSTALLED AHEAD OF THIS PANELBOARD. THE CORRECT 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.

FEEDER/MAIN BREAKER WHEN THE MAIN PROTECTING THE SYSTEM IS A	PANELBOARD MAIN‡ AND THE INSTALLED MAIN BREAKER IN THIS PANELBOARD IS A TYPE	BRANCH BREAKER AND THE BRANCH BREAKERS INSTALLED ARE TYPE	THEN THE MAX. SHORT CIRCUIT CURRENT RATING IN RMS SYMMETRICAL AMPS, 120/240 V~ IS
NONE USED or QN, QNH, HQN, QNR, QNRH, HQNR, QPP, QPPH, HQPP, HQPPH, QJ2, QJH2, QJ2H, JXD2(-A), JD6(-A), JXD6(-A), HJD6(-A), HJXD6(-A), LD6(-A), HLD6(-A) or CLASS J, R or T FUSES	NONE USED or QP, QPH, HQP, EQ8693, EQ8695	QP, QPH, HQP, QT, QAF, QAFH, QPF, QPHF, QE, QEH	10,000
QNH, QNRH, QPPH, QJH2	NONE USED or QP, QPH, HQP, EQ8693, EQ8695	QP, QPH, HQP, QT, QAF, QAFH, QPF, QPHF, QE, QEH	22,000
NONE USED or JXD2(-A), JD6(-A), JXD6(-A), HJD6(-A), HJXD-6(-A), LD6(-A), HLD6(-A)	EQ8693, EQ8695		
FD6(-A), FXD6(-A)	NONE USED	QP, QPH, HQP, QAF, QAFH, QPF, QPHF	65,000
HQN, HQNR, HQPP	NONE USED or QP, QPH, HQP, EQ8693, EQ8695	QP, QPH, HQP, QT, QAF, QAFH, QPF, QPHF, QE, QEH	
FD6(-A), FXD6(-A)	EQ8693, EQ8695		
JXD2(-A), JD6(-A), JXD6(-A), HJD6(-A), HJXD-6(-A), LD6(-A), HLD6(-A) or CLASS J or R FUSES	NONE USED	QPH, HQP	
HFD6, HFXD6, HQPPH, CLASS T FUSE(300V)	NONE USED or QP, QPH, HQP, EQ8693, EQ8695	QP, QPH, HQP, QT, QAF, QAFH, QPF, QPHF, QE, QEH	100,000

RIS-S2H

‡ THIS PANELBOARD IS EITHER 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.

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
A, B	300 kcmil-4 AWG	275 LB-IN
N	300 kcmil-4 AWG	250 LB-IN
G	2/0 - 6 AWG	90 LB-IN
NEUTRAL AND EQPT GROUND BAR		
SMALL TERMINALS	10 - 14 AWG 8 AWG 6 AWG	20 LB-IN 25 LB-IN 35 LB-IN
LARGE TERMINALS	10 - 14 AWG 8 AWG 1/0 - 6 AWG	35 LB-IN 40 LB-IN 45 LB-IN
ECLK2SC NEUTRAL LUG KIT	2/0 - 6 AWG	50 LB-IN
MAIN LUG/MAIN BRKR TO BUS CONNECTION (1/4-20 NUT)		45 LB-IN

MAIN LUG / MAIN BREAKER KITS

USE APPROPRIATE KIT FROM CHART BELOW TO CONVERT PANEL.

DESCRIPTION	CAT. NO.
150 AMP MAIN BREAKER	MBK150A
200 AMP MAIN BREAKER	MBK200A
150-225 AMP MAIN LUG	ECMLK225

ACCESSORIES

DESCRIPTION	CAT. NO.
DOOR LOCK	ECQFL2
FILLER PLATE, 1"	QF3
BREAKER HOLD-DOWN	ECMBR2
GROUND BAR KITS - USE "LX" SERIES	

ACCEPTABLE GUTTER TAP KITS	AL/CU WIRE RANGE	
	MAIN	TAP
ECRLK250 (LUGS & COVERS)	250 kcmil - 1/0 AWG	250 kcmil - 6 AWG
ILSCO: (3) EACH OF: GTA250-250 LUG GTC250-350 COVER	250 kcmil - 1/0 AWG	250 kcmil - 6 AWG
ILSCO: (3) EACH OF: GTA500-500 LUG GTC500 COVER	500 - 350 kcmil	500 kcmil - 2 AWG

TAP KIT INSTALLATION
1.STRIP WIRE PER GAUGE ON PROTECTIVE COVER SPACING CUTS ABOUT 2-1/2" APART. MAKE MAIN AND TAP CONNECTIONS.
2.PLACE EACH CONNECTOR WITH WIRES INTO PROTECTIVE COVER.
3. SNAP PROTECTIVE COVER CLOSED.