

SIEMENS

Indoor Riser Load Center

Catalog Number
R2424L1125CU

Enclosure
Type 1

RATINGS:
125A 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 ®.

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 ONE ECMBF125 FILLER PLATE TO FILL 100-125A MAIN BREAKER OPENING.

THIS LOAD CENTER IS INVERTIBLE.

Assembled in Mexico

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

J2

4099937 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, HOPP, HOPPH, 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, EQ8681, EQ8682	QP, QPH, HQP, QAF, QAFH, QPF, QPHF, QE, QEH	10,000
NONE USED	QPH, HQP, EQ8681, EQ8682	QP, QPH, HQP, QAF, QAFH, QPF, QPHF, QE, QEH	22,000
QNH, QNRH, QPPH, QJH2 JXD2(-A), JD6(-A), JXD6(-A), HJD6(-A), HJXD6(-A), LD6(-A), HLD6(-A)	NONE USED EQ8681, EQ8682	QP, QPH, HQP	42,000
QJ2H	QPH, HQP	QP, QPH, HQP, QAF, QAFH, QPF, QPHF, QE, QEH	65,000
NONE USED	HQP	QP, QPH, HQP, QAF, QAFH, QPF, QPHF, QE, QEH	100,000
HQN, HQNR, HOPP	NONE USED or QP, QPH, HQP, EQ8681, EQ8682	QP, QPH, HQP, QAF, QAFH, QPF, QPHF, QE, QEH	
FD6(-A), FXD6(-A)	QP, QPH, HQP, EQ8681, EQ8682	QP, QPH, HQP, QAF, QAFH, QPF, QPHF, QE, QEH	
JXD2(-A), JD6(-A), JXD6(-A), HJD6(-A), HJXD6(-A), LD6(-A), HLD6(-A) or CLASS J, R or T FUSES	QPH, HQP	QP, QPH, HQP, QAF, QAFH, QPF, QPHF, QE, QEH	
FD6(-A), FXD6(-A)	NONE USED	QP, QPH, HQP, QAF, QAFH, QPF, QPHF, QE, QEH	
JXD2(-A), JD6(-A), JXD6(-A), HJD6(-A), HJXD6(-A), LD6(-A), HLD6(-A) or CLASS J or R FUSES	NONE USED	QP, QPH, HQP	
HOPPH, HFD6, HFXD6, CLASS T FUSE (300V)	NONE USED or QP, QPH, HQP, EQ8681, EQ8682	QP, QPH, HQP, QAF, QAFH, QPF, QPHF, QE, QEH	

‡ 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	MAIN LUG / MAIN BREAKER KITS		ACCEPTABLE GUTTER TAP KITS	AL/CU WIRE RANGE	
			DESCRIPTION	CAT. NO.		MAIN	TAP
A, B	2/0 - 4 AWG	110 LB-IN	USE APPROPRIATE KIT FROM CHART BELOW TO CONVERT PANEL.		ECRLK250 (LUGS & COVERS)	250 kcmil - 1/0 AWG	250 kcmil - 6 AWG
NEUTRAL AND EQPT GROUND BAR					ILSCO: (3) EACH OF: GTA250-250 LUG GTC250-350 COVER	250 kcmil - 1/0 AWG	250 kcmil - 6 AWG
SMALL TERMINALS	10 - 14 AWG 8 AWG 6 AWG	20 LB-IN 25 LB-IN 35 LB-IN	100 AMP MAIN BREAKER MBK100A 125 AMP MAIN BREAKER MBK125A 100-125 AMP MAIN LUG ECMLK125		ILSCO: (3) EACH OF: GTA500-500 LUG GTC500 COVER	500 - 350 kcmil	500 kcmil - 2 AWG
LARGE TERMINALS	10 - 14 AWG 8 AWG 1/0 - 6 AWG	35 LB-IN 40 LB-IN 45 LB-IN					
ECFLK2SC NEUTRAL LUG KIT	2/0 - 6 AWG	50 LB-IN					
MAIN LUG/MAIN BRKR TO BUS CONNECTION (1/4-20 NUT)		45 LB-IN					
			ACCESSORIES		TAP KIT INSTALLATION		
			DOOR LOCK	ECQFL2	1. STRIP WIRE PER GAUGE ON PROTECTIVE COVER SPACING CUTS ABOUT 2-1/2" APART. MAKE MAIN AND TAP CONNECTIONS.		
			FILLER PLATE, 1"	QF3	2. PLACE EACH CONNECTION WITH WIRES INTO PROTECTIVE COVER.		
			BREAKER HOLD-DOWN	ECMBR2	3. SNAP PROTECTIVE COVER CLOSED.		
			MAIN BREAKER FILLER PLATE	ECMBF125			
			GROUND BAR KITS - USE "LX" SERIES				

