

# SIEMENS Indoor Load Center

Catalog Number **G4242L1225CU** Series - Enclosure **Type 1**  
**G4242B1225CU** - **Type 1**

RATINGS: 225A 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®.

**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.

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 Energy & Automation, Inc. Alpharetta, Georgia U.S.A. **J2** 4094806 Rev.3

**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 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, EQ8693, EQ8695, EQ8696 OR QP	QP, QPH, HQP, QPF, QPHF, QPF, QE, QEH, QAF, QAFH, QNR, QNRH, HQNRH	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), HLD6(-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	NONE USED OR QPMH	EQ8693, EQ8695, EQ8696 OR QPH	QP, QPH, HQP, QPF, QPHF, QE, QEH, QAF, QAFH, QNR, QNRH, HQNR	22,000
NONE USED	QNH, QNRH	NONE USED, EQ8693, EQ8695	QPH, QPHF, QEH, QAFH, QNRH, HQNRH	42,000
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), HLD6(-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, QPH, HQP, QPF, QPHF, QE, QEH, QAF, QAFH, QNR, QNRH, HQNR	85,000
NONE USED	QPPH, QJH2	NONE USED	HQP, HQNR	100,000
NONE USED OR SIEMENS BREAKER TYPES HFD6, HFXD6, HJD6(-A), HJXD6(-A), HLD6(-A), HLD6(-A), HMD6, HMXD6, HND6, HNXD6, HPD6, HPXD6, OR CLASS J, T, R OR L FUSES	HQPPH	NONE USED, EQ8693, EQ8695	QP, QPH, HQP, QPF, QPHF, QE, QEH, QAF, QAFH	
NONE USED	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.

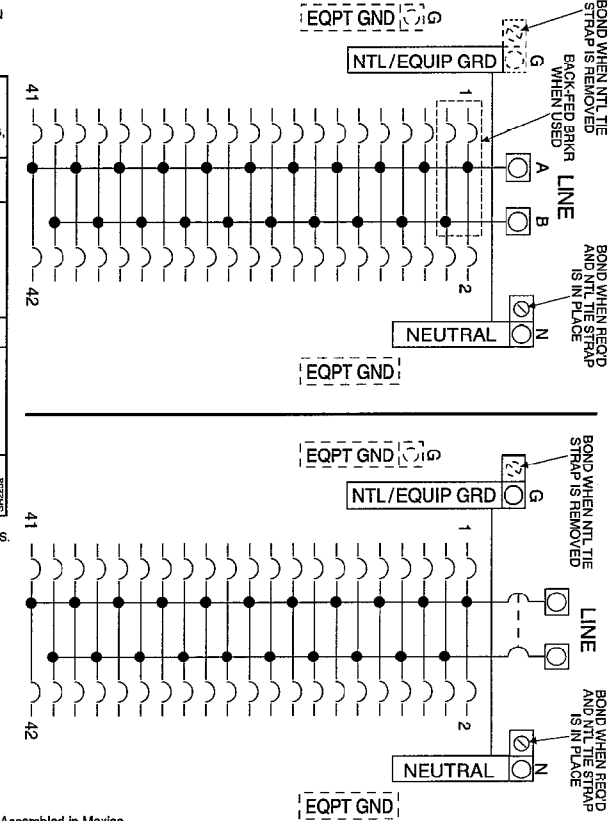
### ACCESSORIES

DESCRIPTION	CAT. NO.
DOOR LOCK	EQQFL2
FILLER PLATE, 1"	QF3
BREAKER HOLD-DOWN	ECMBR2
BONDABLE GROUND LUG	ECLKB1
SUBFEED LUG KITS: ECLK2125, ECLK2150, ECLK2225	
STANDBY PWR INTERLOCK KITS: ECSPBK01, ECSPBK02, ECSPBK03, ECSPBK05, ECSPBK06, ECSPBK07	
<b>MAIN LUG / MAIN BREAKER KITS</b>	
USE APPROPRIATE KIT FROM CHART BELOW TO CONVERT PANEL	
DESCRIPTION	CAT. NO.
150 AMP MAIN BREAKER	MEK150A
200 AMP MAIN BREAKER	MEK200A
225 AMP MAIN BREAKER	MEK225A
150-225 AMP MAIN LUG	ECMLK225

### 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	20-4 AWG	110 LB-INS
NEUTRAL/GROUND BARS (USE TYPE GB GROUND BAR KIT ACCESSORY)	10-14 CU/10-12 AL 8 AWG	20 LB-INS
	6-4 AWG	35 LB-INS
GROUND CONDUCTORS ONLY	(2)or(3) 14 AWG	20 LB-INS
	(2) 12-10 AWG	20 LB-INS
ECLK1-2 NEUTRAL LUG KIT	20-2 AWG	45 LB-INS
ECLK2 NEUTRAL LUG KIT	20-4 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



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COLOR: PMS485 (RED)

PRINT COLOR: BLACK EXCEPT AS SHOWN

MATERIAL: FASSON UL LITHO 40FS-730SG (SPEC# 10254)

ALTERNATE MAT'L: 60# FASSON CRACK'N'PEEL PLUS, UNCOATED OFFSET,  
 SUPER PERMANENT ADHESIVE WITH 83# LINER

DESIGN RESPONSIBILITY LOCATION:  
**SEA-NORCROSS**

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- SEA-NOR  DUR-LEB  CHOICE
- SEA-EL  DUR-HOU  IC-ASY
- SEA-IT2  SEA-BEL  \*

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						<b>WIRING DIAGRAM</b>			
1st ARTICLE	EDR NO.	REV	DATE	DESCRIPTION	BY	SIZE	ISSUE RELEASE NO.	DWG. NO.	REV
	05-042-20	B	1/13/06	REVISE FOR TRANSFER TO ITESA2. TRANSFER DES. CONTROL TO NORCROSS.	KAM	B	04-015-01	<b>4094806</b>	<b>B</b>
	04-015-01	A	5/25/04	ISSUE - REPLACES 4099514	KAM	B	04-015-01		
						SCALE	1:1	DO NOT SCALE DRAWING	SHEET 1 OF 1