

# SIEMENS Indoor Load Center

Catalog Number **G2430L1125CUSG** Series - Enclosure **Type 1**

**RATINGS:**  
125A MAXIMUM - SEE MAIN BREAKER RATING IF USED.  
BACK-FED BREAKER REQUIRES HOLD-DOWN KIT ECOMBR2.  
120/240 V~, 60 HZ, 1Ø 3W  
2ØRV/120 V~, RØ H7, 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 AND NEUTRAL TIE STRAP ARE INSTALLED. WHEN USED AS SERVICE EQUIPMENT, APPLY "SERVICE DISCONNECT" LABEL TO FRONT NEXT TO MAIN BREAKER HANDLE.

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 ONE ECOMBF125 FILLER PLATE TO FILL 100-125A MAIN BREAKER OPENING.

THIS LOAD CENTER IS INVERTIBLE FOR BOTTOM FEED APPLICATIONS.

Siemens Energy & Automation, Inc. Alpharetta, Georgia U.S.A. **J2** 4094700 Rev.D

**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 WHEN THE MAIN PROTECTING THE SYSTEM IS A	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 BREAKER AND THE BRANCH BREAKERS INSTALLED ARE SIEMENS TYPE	THEN THE MAX SHORT CIRCUIT CURRENT RATING IN RMS SYMMETRICAL AMPS, 120/240 V~ IS
NONE USED OR SIEMENS BREAKER TYPES JXD2(-A), JD6(-A), JXD6(-A), HJD6(-A), HJXD6(-A), LD6(-A), LXD6(-A), HLD6(-A), HJXD6(-A), MD6, MXD6, HMD6, HMXD6, NDS, NXD6, HND6, HNXD6, PD6, PXD6, HPD6, HPXD6, RD6, RXD6, HRD6, HFXD6, OR CLASS J, T, R OR L FUSES	QP, BQ, BL	NONE USED OR EQ8681 OR EQ8682 OR QP	QP, QG, QT, QPH, HQP, QPF, QPHF, QF, QE, QEH, QAF, QAFH	10,000
NONE USED	QPH, DQH, DLH	NONE USED OR EQ8681 OR EQ8682 OR QPH	QP, QT, QPH, HQP, QPF, QPHF, QE, QEH, QAF, QAFH	22,000
NONE USED	NONE USED	NONE USED	QPH, QE, QPHF, QAFH	65,000
SIEMENS BREAKER TYPES JXD2(-A), JD6(-A), JXD6(-A), HJD6(-A), HJXD6(-A), LD6(-A), LXD6(-A), HLD6(-A), HJXD6(-A), MD6, MXD6, HMD6, HMXD6, NDS, NXD6, HND6, HNXD6, PD6, PXD6, HPD6, HPXD6, RD6, RXD6, HRD6, HFXD6, OR CLASS J, T, R OR L FUSES	QPH, BQH, BLH, HQP, HBQ, HBL	NONE USED, EQ8681, EQ8682 OR HQP	QP, QT, QPH, HQP, QPF, QPHF, QE, QEH, QAF, QAFH	
SIEMENS BREAKER TYPE ED4, ED6	NONE USED OR QP, BQ, BL, QPH, BQH, BLH, HQP, HBQ, HBL	NONE USED	HQP, HBQ, HBL	100,000
NONE USED	NONE USED	NONE USED	HQP	
SIEMENS BREAKER TYPES HED4, HED6, HFD6, HFXD6 300V T FUSES - 200A MAX 000V T FUSES - 600A MAX	NONE USED OR QP, BQ, BL, QPH, BQH, BLH, HQP, HBQ, HBL	NONE USED OR EQ8681 OR EQ8682	QP, QT, QPH, HQP, QPF, QPHF, QE, QEH, QAF, QAFH	

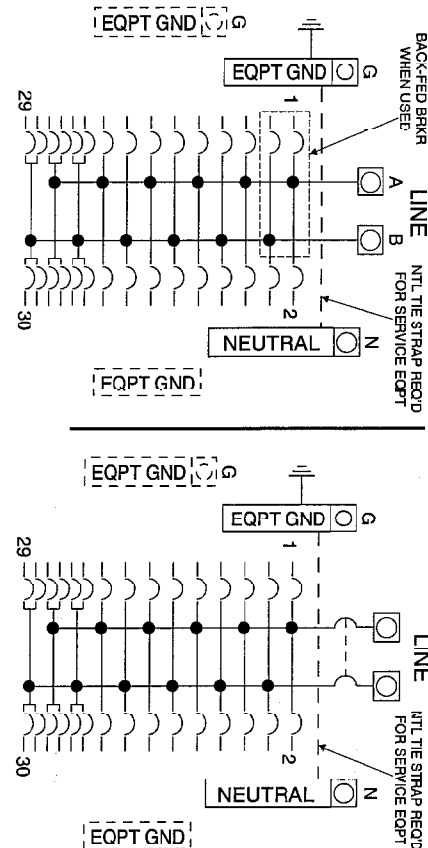
‡ THIS PANELBOARD IS A MAIN LUG DEVICE THAT MAY BE CONVERTED TO MAIN BREAKER WITH THE ADDITION OF FIELD INSTALLED MAIN BREAKER KIT OR A MAIN BREAKER DEVICE THAT MAY BE CONVERTED TO MAIN LUG WITH THE ADDITION OF MAIN LUGS. SEE ACCESSORY TABLE FOR CATALOG NUMBERS OF APPROPRIATE KITS.

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

SEE BREAKER MARKINGS FOR WIRE SIZE AND TORQUE REQUIREMENTS.

MAIN LUG / MAIN BREAKER KITS	ACCESSORIES	TERMINALS	WIRE	TORQUE
USE APPROPRIATE KIT FROM CHART BELOW TO CONVERT PANEL.	DESCRIPTION	CAT. NO.	A, B, N, G	110 LB-INS
DESCRIPTION	DOOR LOCK	EQQL2	NEUTRAL/GROUND BARS (USE TYPE GB GROUND BAR KIT ACCESSORY)	20 LB-INS
100 AMP MAIN BREAKER	FILLER PLATE, 1"	QF3	10-14 CU/10-12 AL	25 LB-INS
125 AMP MAIN BREAKER	BREAKER HOLD-DOWN	ECMBR2	8 AWG	35 LB-INS
100-125 AMP MAIN LUG	MAIN BREAKER FILLER PLATE	ECMBF125	6-4 AWG	20 LB-INS
	BONDABLE GROUND LUG	ECLKB1	GROUND CONDUCTORS ONLY	20 LB-INS
	SUBFEED LUG KIT	ECLK2125	(2) 14 AWG	20 LB-INS
	STANDBY PWR INTERLOCK KITS: ECSBPK01, ECSBPK02, ECSBPK04		(2) 12-10 AWG	20 LB-INS
			20-2 AWG	45 LB-INS
			20-4 AWG	135 LB-INS
			MAIN LUG MAIN BRKR TO BUS CONNECTION (1/4-20 NUT)	45 LB-INS
			BONDING SCREW	45 LB-INS

Assembled in Mexico  
© 2005 Copyright Siemens Energy & Automation, Inc.  
© The National Electrical Code is a registered trademark of the National Fire Protection Association.



COLOR: PMS485 (RED)

PRINT COLOR: BLACK EXCEPT AS SHOWN

MATERIAL: FASSON UL LITHO 40FS-7305G (SPEC# 10254)

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

DESIGN RESPONSIBILITY LOCATION:  
**SEA-NORCROSS**

PRINT DISTRIBUTION  
ECN COPIES MUST BE ISSUED TO ALL CHECKED LOCATIONS FOR APPROVAL PRIOR TO CHANGE

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

					UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		-CONFIDENTIAL- PROPERTY OF <b>Siemens Energy &amp; Automation, Inc.</b> Residential Products Division									
					TOLERANCES: .XX ±.12 .XXX HOLE DIAMETER ±.005 ANGULAR UNDIMENSIONED 90° ANGLES ±0°30'		<b>WIRING DIAGRAM</b>									
					OWN	KAM	DATE	12/9/02	SIZE	B	ISSUE RELEASE NO.	01-080-14	DWG. NO.	<b>4094703</b>	REV	<b>B</b>
					CHK	CDH	DATE	12/10/02								
					APVD	CDH	DATE	12/10/02	SCALE	1:1	DO NOT SCALE DRAWING		SHEET		1 OF 1	
1st ARTICLE	EDR NO.	REV	DATE	DESCRIPTION	BY											
	05-042-10	B	11/23/05	REVISE FOR TRANSFER TO ITESA2. TRANSFER DES. CONTROL TO NORCROSS.	KAM											
	01-080-14	A	12/9/02	ISSUE	KAM											