

# SIEMENS Indoor Load Center

Catalog Number **G1630B1150** Series - Enclosure **Type 1**

RATINGS: 150A 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.

IF THE NEUTRAL TIE STRAP IS REMOVED, LUG KIT ECLKB1 MUST BE INSTALLED AND BONDED. THE LEFT NEUTRAL BAR WILL BECOME THE EQUIPMENT GROUND.

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 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 4099507 Rev.E

**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 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, HFXD6, RD6, RXD6, HRD6, HRXD6, OR CLASS J, T, R OR L FUSES	QN, QNR QPP, QJ2, QPM	NONE USED OR EQ8693 OR QP	QP, QT, QPH, HQP, QPF, QPHF, QPF, QE, QEH, QAF, QAFH, QNR, QNRH, HQNR	10,000
NONE USED	NONE USED OR QPMH	EQ8693 OR QPH	QP, QT, QPH, HQP, QPF, QPHF, QE, QEH, QAF, QAFH, QNR, QNRH, HQNR	22,000
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, HFXD6, RD6, RXD6, HRD6, HRXD6, OR CLASS J, T, R OR L FUSES	QNH, QNRH QPPH, QJH2	NONE USED OR EQ8693	QP, QPH, QEH, QAFH, QNRH, HQNR	42,000
NONE USED	QJ2H	NONE USED	QP, QPH, HQP, QNR, QNRH, HQNR	85,000
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, HFXD6, RD6, RXD6, HRD6, HRXD6, OR CLASS J, T, R OR L FUSES	QNH, QNRH, HQNR, HQPP	NONE USED, EQ8693 OR HQP	QP, QT, QPH, HQP, QPF, QPHF, QE, QEH, QAF, QAFH, QNR, QNRH, HQNR	100,000
NONE USED	HQPP, HQN, HQNR	NONE USED	HQP, HQNR	
NONE USED OR SIEMENS BREAKER TYPES HFD6, HFXD6, HJD6(-A), HJXD6(-A), HLD6(-A), HLD6(-A), HMD6, HMXD6, HND6, HNXD6, HPD6, HFXD6, HRD6, HRXD6, OR CLASS J, T, R OR L FUSES	HQPPH HQJ2H	NONE USED OR EQ8693 NONE USED	QP, QT, QPH, HQP, QPF, QPHF, QE, QEH, QAF, QAFH	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.

MAIN LUG / MAIN BREAKER KITS	
USE APPROPRIATE KIT FROM CHART BELOW TO CONVERT PANEL.	
DESCRIPTION	CAT. NO.
150 AMP MAIN BREAKER	MIB150A
150-225 AMP MAIN LUG	ECMLK225

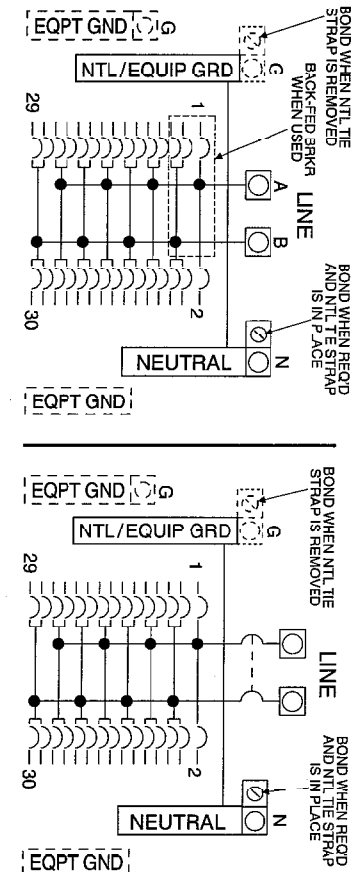
ACCESSORIES	
DESCRIPTION	CAT. NO.
DOOR LOCK	EQQL2
FILLER PLATE 1"	QF3
BREAKER HOLD-DOWN	ECMBR2
BONDABLE GROUND LUG	ECLKB1
SUBFEED LUG KIT	ECLK2150 ECLK2150
STANDBY PWR INTERLOCK KIT	ECSBPX03

Assembled in Mexico  
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### 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	2/0-4 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) 12-10 AWG	20 LB-INS
	(2) 12-10 AWG	20 LB-INS
ECLK1-2 NEUTRAL LUG KIT	2/0-2 AWG	45 LB-INS
ECLK2 NEUTRAL LUG KIT	2/0-4 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



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

1st ARTICLE	EDR NO.	REV	DATE	DESCRIPTION	BY
	05-042-06	E	11/10/05	REVISE FOR TRANSFER TO ITESA2. TRANSFER DES. CONTROL TO NORCROSS.	KAM
	05-046-01	D	10/25/05	UPDATE AND ADD INTERLOCK ACCESS'Y	KAM
	01-080-10	C	6/20/02	ADD LKB1 ACCESSORY AND RELATED INFO	KAM
	01-080-08	B	3/22/02	ADD BACKFED BRKR INFO & OTHER MISC.	KAM
	01-080-02	A	10/5/01	ISSUE	KAM

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		
TOLERANCES: .XX ±.12 .XXX		
HOLE DIAMETER ±.005		
ANGULAR UNDIMENSIONED 90° ANGLES ±0°30'		
DWN	KAM	DATE 10/5/01
CHK	CDH	DATE 10/5/01
APVD	CDH	DATE 10/5/01

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## WIRING DIAGRAM

SIZE <b>B</b>	ISSUE RELEASE NO. <b>01-080-02</b>	DWG. NO. <b>4099507</b>	REV <b>E</b>
SCALE 1:1	DO NOT SCALE DRAWING	SHEET 1 OF 1	

DESIGN RESPONSIBILITY LOCATION: <b>SEA-NORCROSS</b>		
PRINT DISTRIBUTION ECN COPIES MUST BE ISSUED TO ALL CHECKED LOCATIONS FOR APPROVAL PRIOR TO CHANGE		
<input type="checkbox"/> SEA-TUC	<input type="checkbox"/> SEA-DRM	<input type="checkbox"/> McPHER
<input type="checkbox"/> SEA-NOR	<input type="checkbox"/> DUR-LEB	<input type="checkbox"/> CHOICE
<input type="checkbox"/> SEA-EL	<input type="checkbox"/> DUR-HOU	<input type="checkbox"/> IC-ASY
<input type="checkbox"/> SEA-IT2	<input type="checkbox"/> SEA-BEL	<input type="checkbox"/> *