SIEMENS

Indoor Load Center

Catalog Numbers
P5470B3225CU, P5470L3225CU, PH5470B3225CU

Enclosure
Type 1

RATINGS: 225A MAXIMUM - SEE MAIN BREAKER RATING.
BACK-FED BREAKER REQUIRES HOLD-DOWN KIT ECMBR3.
240/120 V ~, 3Ø 4W DELTA ; 208Y/120 V ~, 3Ø 4W ; 240 V ~, 3Ø 3W

WHEN USED ON A 240/120 V ~, 3 PHASE, 4 WIRE DELTA SYSTEM, THE CENTER BUS MUST BE CONNECTED TO THE PHASE HAVING THE HIGHEST VOLTAGE TO GROUND. ALL BREAKERS CONNECTED TO THIS BUS MUST BE RATED 240 V ~. WHEN USED ON A 240 V ~, 3 PHASE, 3 WIRE SYSTEM, ALL BREAKERS MUST BE RATED 240 V ~.

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.

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.

THIS LOAD CENTER IS INVERTIBLE FOR BOTTOM FEED APPLICATIONS.

Siemens Industry, Inc. Norcross, Georgia U.S.A. **J2** 409014270101 Rev.00

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.

USE COPPER OR ALUMINUM 60°/75°C WIRE

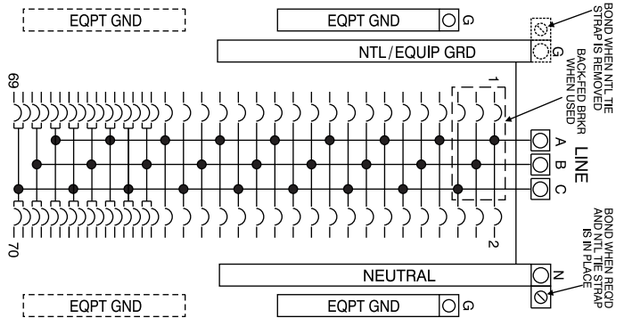
SEE BREAKER MARKINGS FOR WIRE SIZE AND TORQUE REQUIREMENTS.

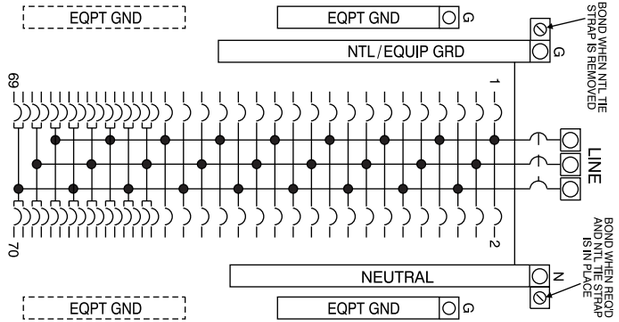
TERMINALS	WIRE	TORQUE
A, B, C, N	300 kcmil - 4 AWG	275 LB-INS
MAIN BREAKER	4/0 CU; 300kcmil AL	See Breaker
G	2/0 - 6 AWG	110 LB-INS
NEUTRAL/GROUND BARS (USE TYPE EC3GB GROUND BAR KIT ACCESSORY)	10-14 CU/10-12 AL 8 AWG 6-4 AWG	20 LB-INS 25 LB-INS 35 LB-INS
GROUND CONDUCTORS ONLY	(2)or(3) 14 AWG (2) 12-10 AWG	20 LB-INS 20 LB-INS
ECLK1-2 NEUTRAL LUG KIT ECLK2 NEUTRAL LUG KIT ECLK3 NEUTRAL LUG KIT	2/0 - 4 AWG 2/0 - 4 AWG 300 kcmil - 1 AWG	45 LB-INS 135 LB-INS 340 LB-INS
MAIN LUG/MAIN BRKR TO BUS CONNECTION (1/4-20 NUT)		45 LB-INS
BONDING SCREW		45 LB-INS

MAIN BREAKER KITS	
USE APPROPRIATE KIT FROM CHART BELOW TO CONVERT PANEL.	
AIC RATING	225A CATALOG No.
10K AIC	MBK3225R
22K AIC	MBK3225HR
65K AIC	MBK3225HHR
100K AIC	HMBK3225HR

125A, 150A, 175A, AND 200A BREAKER KITS ARE ALSO AVAILABLE

ACCESSORIES	
DESCRIPTION	CAT. NO.
DOOR LOCK	ECQFL2
FILLER PLATE, 1"	ECQF3
MAIN BRKR FILLER PLATE	EC3PMFPR
BREAKER HOLD-DOWN	ECMBR3
BONDABLE GROUND LUG	ECLKB1
SUBFEED LUG KIT	ECLK2125 ECLK2225 ECLK3225
150-225 AMP MAIN LUG KIT	ECMLK3225
100A MAIN BREAKER KIT (BACK FED)	MBK3100





Assembled in Mexico

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SHORT CIRCUIT CURRENT RATING THIS PANELBOARD HAS A MAXIMUM SHORT CIRCUIT CURRENT RATING OF 100,000 AMPS RMS SYMMETRICAL, 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. IF NO MAIN/FEEDER BREAKER IS USED THE ACTUAL RATING IS EQUAL TO THE LOWEST INTERRUPTING RATING OF ANY INSTALLED BREAKER. THE CORRECT MAIN BREAKER/FEEDER/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	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 SIEMENS TYPE	AND THE BREAKER PROTECTING THIS PANELBOARD, SEPARATE OR INTEGRAL, IS A SIEMENS TYPE	AND THE BRANCH BREAKERS INSTALLED ARE SIEMENS TYPE	
NONE USED	NONE USED or QP, QJ2, QR2, MP-T, MQ	QP, QG, QT, QAF, QAF2, QFGA2, QPF, QPF2, QE, QNR,MP-T, MG, MH-T, MP-AT, MP-AT2, MP-GAT2, MP-GT, MP-GT2, MP-ET, MD-TR	10,000
	NONE USED	QPH, QAFH, QAFH2, QFGAH2, QPHF, QPHF2, QEH, QNRH, MP-HT, MP-HAT, MP-HAT2, MP-HGAT2, MP-HGT, MP-HGT2, MP-HET, MD-HTR	
	QPH, MP-HT	QP, QG, QT, QAF, QAF2, QFGA2, QPF, QPF2, QE, MP-T, MG, MH-T, MP-AT, MP-AT2, MP-GAT2, MP-GT, MP-GT2, MP-ET	22,000
	QRH2	QP, QG, QT, QAF, QAF2, QFGA2, QPF, QPF2, QE, QNR, MP-T, MG, MH-T, MP-AT, MP-AT2, MP-GAT2, MP*-GT, MP-GT2, MP-ET, MD-TR	
	QJH2, MQH	QP*, QG, QT**, QAF, QAF2, QFGA2, QPF, QPF2, QE, MP-T*, MG, MH-T**, MP-AT, MP-AT2, MP-GAT2, MP-GT, MP-GT2, MP-ET	
	QJ2H, MQL	QP*, QPH, MP-T*, MP-HT	42,000
SIEMENS BREAKER TYPES FD6(-A), FXD6(-A), JXD2(-A), JD6(-A), JXD6(-A), HJD6(-A), HJXD6(-A), LD6(-A), LXD6(-A), HLD6(-A), HLXD6(-A), MD6, MXD6, HMD6, HMXD6, ND6, NXD6, HND6, HNXD6, PD6, PXD6, HPD6, HPXD6, RD6, RXD6, HRD6, HRXD6, NFGA, NFGB, NJGA, NJJA, NLGB, NMG, NNG, NPG or CLASS J, T, R or L FUSES	NONE USED	HQP, HQAF2, HQFGA2, HQPF2, HQNR, MP-MT, MP-MAT2, MP-MGAT2, MD-MTR, MP-MGT2	65,000
	HQP, MP-MT	QP, QPH, QT, QAF, QAFH, QAF2, QAFH2, QFGA2, QFGAH2, QPF, QPHF, QPF2, QPHF2, QE, QEH, MP-T, MP-HT, MH-T, MP-AT, MP-HAT, MP-AT2, MP-HAT2, MP-GAT2, MP-HGAT2, MP-GT, MP-HGT, MP-GT2, MP-HGT2, MP-ET, MP-HET	
	QPH, MP-HT		
SIEMENS BREAKER TYPES ED4, ED6	NONE USED or QP, QPH, MP-T, MP-HT		
NONE USED	HQR2	QP, QPH, QT, QAF, QAFH, QAF2, QAFH2, QFGA2, QFGAH2, QPF, QPHF, QPF2, QPHF2, QE, QEH, QNR, QNRH, MP-T, MP-HT, MH-T, MP-AT, MP-HAT, MP-AT2, MP-HAT2, MP-GAT2, MP-HGAT2, MP-GT, MP-HGT, MP-GT2, MP-HGT2, MP-ET, MP-HET, MD-TR, MD-HTR	
SIEMENS BREAKER TYPES FD6(-A), FXD6(-A), JXD2(-A), JD6(-A), JXD6(-A), LD6(-A), LXD6(-A), MD6, MXD6, ND6, NXD6, PD6, PXD6, RD6, RXD6, NFGA, NFGB, NJGA, NJJA, NLGB, NMG, NNG, NPG	QR2, QRH2		
SIEMENS BREAKER TYPES FD6(-A), FXD6(-A)	NONE USED or QJ2, QJH2, QJ2H, MQ, MQH, MQL	QP, QPH, QAF, QAFH, QAF2, QAFH2,QFGA2, QFGAH2, QPF, QPHF, QPF2, QPHF2, MP-T, MP-HT, MP-AT, MP-HAT, MP-AT2, MP-HAT2, MP-GAT2, MP-HGAT2, MP-GT, MP-HGT, MP-GT2, MP-HGT2	
SIEMENS BREAKER TYPES JXD2(-A), JD6(-A), JXD6(-A), LD6(-A), LXD6(-A), HLD6(-A), HLXD6(-A), NFGA, NFGB, NJGA, NJJA, NLGB	QJH2, QJ2H, MQH, MQL	QPH, QFGA2, QFGAH2, MP-HT, MP-GAT2, MP-HGAT2	
CLASS J, T, R, or L FUSES	NONE USED	QPH, MP-HT, QNR, QNRH	
NONE USED	HQR2H	QP, QPH, HQP, QT, QAF, QAFH, QAF2, QAFH2, HQAF2, QFGA2, QFGAH2, HQFGA2, QPF, QPHF, QPF2, QPHF2, HQPF2, QE, QEH, MP-T, MP-HT, MH-T, MP-AT, MP-HAT, MP-AT2, MP-HAT2, MP-MAT2, MP-GAT2, MP-HGAT2, MP-MGAT2, MP-GT, MP-HGT, MP-GT2, MP-HGT2, MP-MGT2, MP-ET, MP-HET	100,000
SIEMENS BREAKER TYPES HFD6, HFXD6, HJD6(-A), HJXD6(-A), HLD6(-A), HLXD6(-A), HMD6, HMXD6, HND6, HNXD6, HPD6, HPXD6, HRD6, HRXD6, HFGA, HFGB, HJGA, HLGB, HMG, HNG, HPG, or CLASS J, R, or T FUSES	QR2, QRH2, HQR2		
HFD6, HFXD6, or CLASS T (300V, 200 A MAX) FUSES	NONE USED or QP, QPH, HQP, QJ2, QJH2, QJ2H, MP-T, MP-HT, MP-MT, MQ, MQH, MQL		
HFGA, HFGB or CLASS T (300V, 600 A MAX) FUSES	QPH, HQP, MP-HT, MP-MT	QPH, HQP, QAF2, QAFH2, HQAF2, QFGA2, QFGAH2, HQFGA2, MP-HT, MP-MT, MP-AT2, MP-HAT2, MP-MAT2, MP-GAT2, MP-HGAT2, MP-MGAT2	

*60-100 AMP ONLY FOR 3 POLE BREAKERS **15, 20 AND 40 AMP BREAKERS ONLY

QR150-225H