SIEMENS

CATALOG NUMBER:

E4242MB1400FCU

INDOOR - TYPE 1 ENCLOSURE TOP OR BOTTOM FEED SURFACE MOUNT.

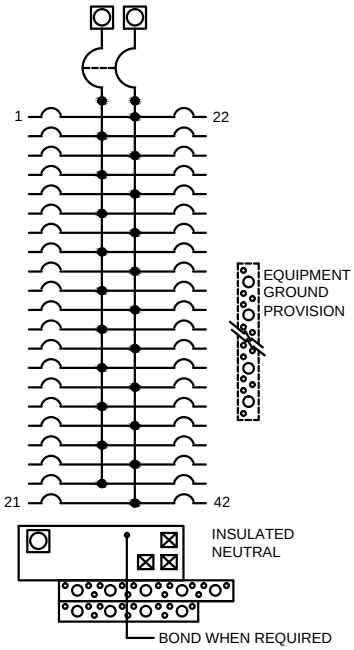
SUITABLE FOR USE AS SERVICE EQUIPMENT. WHEN USED AS SERVICE EQUIPMENT, APPLY "SERVICE DISCONNECT" LABEL TO THE DEADFRONT. NEXT TO MAIN BREAKER HANDLE

DEVICE RATING 400AMPS MAXIMUM - SEE MAIN BREAKER RATING
120/240V AC SINGLE PHASE, THREE WIRE
208Y/120V AC SINGLE PHASE, THREE WIRE

INSULATED NEUTRAL

THIS DEVICE HAS A MAXIMUM SHORT CIRCUIT CURRENT RATING OF 65,000 AMPS RMS SYMMETRICAL 120/240 VAC. THE ACTUAL RATING IS DEPENDANT ON THE BRANCH BREAKERS INSTALLED IN THIS PANELBOARD. THE CORRECT 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.

MIAN BREAKER	BRANCH BREAKER	THEN THE MAXIMUM SHORT CIRCUIT CURRENT RATING IN RMS SYMMETRICAL AMPERES, 120/240 VAC IS
WHEN THE BREAKER PROTECTING THIS PANELBOARD IS A SIEMENS TYPE	AND THE BRANCH BREAKERS INSTALLED ARE SIEMENS TYPE	
JXD2(-A), JD6(-A), OR JXD6(-A)	QAF, QP, QG, QPF, QE, QNR	10,000
JXD2(-A), JD6(-A), OR JXD6(-A)	QAFH, QPHF, QNRH, QPH, QEH	22,000
JXD2(-A), JD6(-A), OR JXD6(-A)	QPH, HQP, QNR, QNRH, HQNR	65,000



IMPORTANT:

THIS DEVICE HAS BEEN DESIGNED FOR USE ONLY WITH SIEMENS TYPE CIRCUIT BREAKERS AS LISTED ABOVE. USE OF OTHER CIRCUIT BREAKERS IN THIS EQUIPMENT WILL VOID THE WARRANTY.

DO NOT SPRAY OR ALLOW ANY PETROLEUM BASED CHEMICALS, SOLVENTS OR PAINT TO CONTACT INTERIOR COMPONENTS.

THE SUM OF BREAKERS RATINGS NOT TO EXCEED 200 AMPS PER BRANCH CIRCUIT BUS STAB.

TERMINAL TIGHTENING TORQUES (LB.-IN.)

WIRE SIZE, kcmil OR AWG	▣	⊠	○	◦
500-300	495			
250-3/0	495	250	--	--
2/0	---	250	--	--
1/0-4	---	250	45	--
6	---	250	45	35
8	---	---	40	25
10-14	---	---	35	20

TERMINAL WIRE RANGES, kcmil OR AWG:

▣ = (1) #500-3/0 FOR TOP SIDE ENTRY OR (2) #250-3/0 FOR TOP OR BOTTOM ENTRY.

⊠ = #250-6

NEUTRAL BAR SMALL AND LARGE TERMINALS

○ = (1) #1/0-14CU, #1/0-12AL

◦ = (1) #6-14CU, #6-12AL

GROUND BAR SMALL AND LARGE TERMINALS

○ = (2 OR 3) #10-14CU, #10-12AL

◦ = (2) #12-14CU, #12AL

USE CU/AL WIRE

AT PANELBOARD LINE AND NEUTRAL TERMINALS.
SEE MARKINGS ON BREAKERS FOR THEIR WIRING AND TORQUE REQUIREMENTS.

SIZE WIRE ONLY TO 60°C OR 75°C AMPACITY LIMITS. SIZE WIRE IN ACCORDANCE WITH BREAKER MARKINGS AND WIRE BENDING SPACE REQUIREMENTS.

FOR BREAKERS WITH TRIPPED POSITION IN CENTER, RESET BREAKER BY MOVING HANDLE TO 'OFF' AND THEN TO 'ON'.

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.

ACCESSORIES: FILLER PLATE - CAT. NO. QF3 (1"), LX370FP (QPM, QPMH BREAKERS), LX400FP (QNR, QNRH BREAKERS);
EQUIPMENT GROUND BARS - CAT. NO. GB5, GB10, GB14, GB20;
FOR HUBS ORDER "HV" SERIES: 2"-HV200, 21/2"-HV250, 3"-HV300, 31/2"-HV350, 4"-HV400.

Siemens Energy & Automation, Inc.
Alpharetta, Georgia USA
Made in Canada DC

4094533 Rev. 06