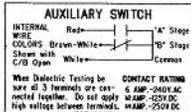


- NOTES:
 6. SEE OUTLINE DRAWING 10055629SH6.
 5. SEE 10054370SH6 AND 10055629SH7 FOR ADDITIONAL INFORMATION.
 4. CUSTOMER'S LOCATION FOR DRILLING HOLE FOR HORIZONTALLY OR VERTICALLY INTERCONNECTED MECHANICAL INTERLOCK. SEE BOTTOM OR SIDE VIEW.
 3. 4.25 [108] MINIMUM DISTANCE ABOVE SUBSTRUCTURE (8.00 [203.2] FROM TOP OF CIRCUIT BREAKER) TO ANY METAL IN AN AREA 9.00 X 16.00 [228.6 X 406.4] DUE TO ARC CHAMBER VENTING.
 2. DIMENSIONS IN BRACKETS ARE IN [MILLIMETERS].
 1. ALL OUTLINE DIMENSIONS ARE THE SAME FOR MANUALLY AND ELECTRICALLY OPERATED DEVICES.

ABB

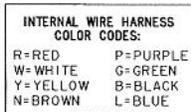
POWER BREAK II
CIRCUIT BREAKER 4000A

THIRD ANGLE	SHEET#	DWG. NO.	DATE	REV
	12 of 19	GEM3025	28-Oct-22	C



19 AUX. 11 "A"	AUX. 12 "A"
20 AUX. 11 "B"	2 AUX. 12 "B"
21 AUX. 11 COM	3 AUX. 12 COM
22 AUX. 9 "A"	4 AUX. 10 "A"
23 AUX. 9 "B"	5 AUX. 10 "B"
24 AUX. 9 COM	6 AUX. 10 COM
25 AUX. 7 "A"	7 AUX. 8 "A"
26 AUX. 7 "B"	8 AUX. 8 "B"
27 AUX. 7 COM	9 AUX. 8 COM
28 AUX. 5 "A"	10 AUX. 6 "A"
29 AUX. 5 "B"	11 AUX. 6 "B"
30 AUX. 5 COM	12 AUX. 6 COM
31 AUX. 3 "A"	13 AUX. 4 "A"
32 AUX. 3 "B"	14 AUX. 4 "B"
33 AUX. 3 COM	15 AUX. 4 COM
34 AUX. 1 "A"	16 AUX. 2 "A"
35 AUX. 1 "B"	17 AUX. 2 "B"
36 AUX. 1 COM	18 AUX. 2 COM

↑ FAR* ROW
↑ NEAR* ROW
LEFT SIDE
TERMINAL BLOCK LABEL
BLOCK "A"



18 ELECT. OPER.+ R	36 ELECT. OPER.- B
17 RMT. CHG. W	35 RMT. CHG. L
16 RMT. CLS.+ Y	34 RMT. CLS.- N
15 B.A. ONLY COM Y	33 CHG. IND. G
14 B.A. ONLY N.O. B	32 SHUNT TRIP N
13 B.A. ONLY N.C. L	31 SHUNT TRIP P
12 B.A. LOCKOUT COM W	30 U.V.R. L
11 B.A. LOCKOUT N.O. B	29 U.V.R. N
10 B.A. LOCKOUT N.C. L	28
9	27
8	26 ZSI INPUT- W
7 COMNET- G	25 ZSI INPUT+ L
6 COMNET+ R	24 ZSI OUTPUT- N
5 C Ø VOLTS R	23 ZSI OUTPUT+ B
4 B Ø VOLTS W	22 D/O SWITCH N
3 A Ø VOLTS L	21 D/O SWITCH L
2 24VOLTS DC- B	20 N TAP B
1 24VOLTS DC+ R	19 N COM. W

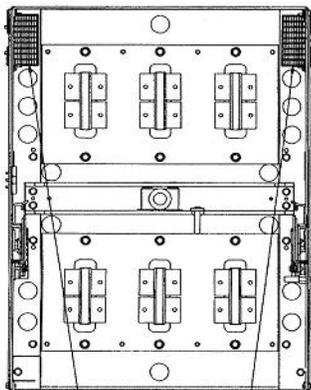
↑ NEAR* ROW
↑ FAR* ROW
RIGHT SIDE
TERMINAL BLOCK LABEL
BLOCK "B"

WIRE CHART

NOTE: WIRE RANGE #18 THRU #12 SOLID OR STRANDED COPPER WIRE. TORQUE: 9LB-IN

NOTES:

- SEE OUTLINE DRAWING 10055629SH7.
- SEE 10054370SH6 FOR MECHANICAL ACCESSORY INFORMATION.
- 'F' DIA. = 2500A & 3000A BACK CONNECTED BREAKER MOUNTING INSERTS.
- 'E' DIA. = 2500A & 3000A FRONT CONNECTED BREAKER MOUNTING HOLES.
- 'D' DIA. = 4000AMP FRONT CONNECTED BREAKER MOUNTING HOLES.
- BUSBARS OR CABLES SHOULD BE SIZED PER UL89I DEAD-FRONT SWITCHBOARDS STANDARD
- DIMENSIONS IN BRACKETS ARE [METRIC].

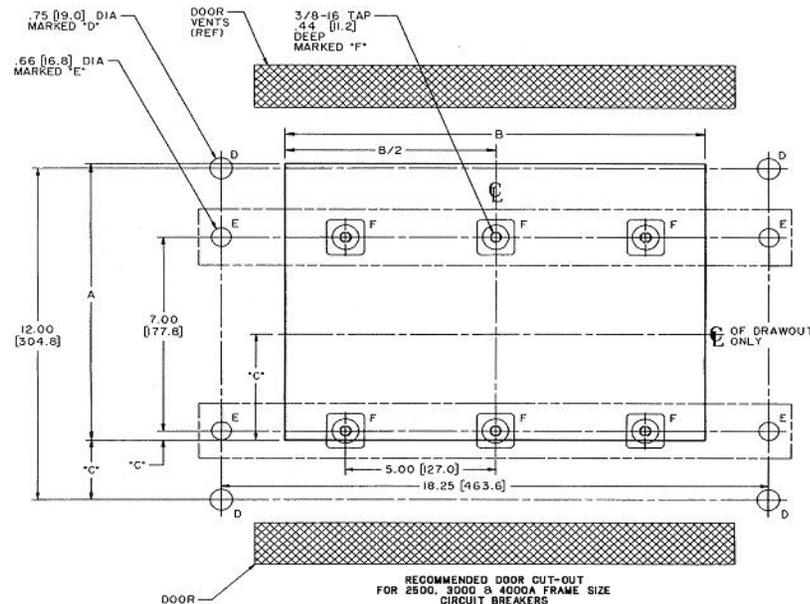


SECONDARY DISCONNECT PLUG (DEDICATED POSITIONS)

28	19	10	1	9	18	27	56
29	20	11	2	8	17	26	55
30	21	12	3	7	16	25	54
31	22	13	4	6	15	24	53
32	23	14	5	5	14	23	52
33	24	15	6	4	13	22	51
34	25	16	7	3	12	21	50
35	26	17	8	2	11	20	49
36	27	18	9	1	10	19	48

LEFT SIDE RIGHT SIDE

NOTE: ALL WIRES ON LEFT = AUX. SWITCH WIRES. ALL WIRES ON RIGHT = ALL OTHER WIRING. *S CORRESPOND TO WIRE CHART I.E. #31, 32 RIGHT = SHUNT TRIP



FRAME RATING	BREAKER TYPE	WEIGHT		MINIMUM COMPARTMENT VOLUME	MINIMUM DOOR VENTILATION	STANDARD DOOR CUT-OUT			OPTIONAL DOOR CUT-OUT		
		BREAKER	DRAWOUT SUBSTRUCTURE			A	B	C	A	B	C
2500A	BACK CONNECTED	167 LBS [76KG] *	N/A	13,950 CU.IN. [229,600 CU.CM.]	160 SQ.IN. [1,032 SQ.CM.] TOTAL 80 SQ.IN. [516 SQ.CM.] TOP 80 SQ.IN. [516 SQ.CM.] BOTTOM	10 [254]	14 [356]	34 [86.6]	9.83 [249.7]	13.38 [339.9]	255 [6.4]
	FRONT CONNECTED	178 LBS [81KG] *									
3000A	BACK CONNECTED	216 LBS [98.3KG] *	N/A	20,832 CU.IN. [341,375 CU.CM.]	270 SQ.IN. [1,742 SQ.CM.] TOTAL 135 SQ.IN. [871 SQ.CM.] TOP 135 SQ.IN. [871 SQ.CM.] BOTTOM	TRIM PLATE REQUIRED	2.17 [55.1]	FLUSH FRONT OR NON-HINGED DOOR CONSTRUCTION- TRIM PLATE MAY BE OMITTED	2.255 [57.28]		
	FRONT CONNECTED	179 LBS [81.4KG] *									
4000A	FRONT CONNECTED	320 LBS [145.6KG] *	III LBS [50.5KG]	25,143 CU.IN. [412,020 CU.CM.]	270 SQ.IN. [1,742 SQ.CM.] TOTAL 135 SQ.IN. [871 SQ.CM.] TOP 135 SQ.IN. [871 SQ.CM.] BOTTOM	10 [254]	14 [356]	3.84 [97.5]	9.83 [249.7]	13.38 [339.9]	3.755 [95.38]
2500A	DRAWOUT MOUNTED	232 LBS [105.6KG] *	III LBS [50.5KG]	10,991 CU.IN. [180,108 CU.CM.]	246 SQ.IN. [1,587 SQ.CM.] TOTAL 123 SQ.IN. [793.5 SQ.CM.] TOP 123 SQ.IN. [793.5 SQ.CM.] BOTTOM	TRIM PLATE REQUIRED	FLUSH FRONT OR NON-HINGED DOOR CONSTRUCTION- TRIM PLATE MAY BE OMITTED				
3000A		233 LBS [106KG] *	III LBS [50.5KG]	10,991 CU.IN. [180,108 CU.CM.]	246 SQ.IN. [1,587 SQ.CM.] TOTAL 123 SQ.IN. [793.5 SQ.CM.] TOP 123 SQ.IN. [793.5 SQ.CM.] BOTTOM	TRIM PLATE REQUIRED	FLUSH FRONT OR NON-HINGED DOOR CONSTRUCTION- TRIM PLATE MAY BE OMITTED				
4000A		295 LBS [134.2KG] *	167 LBS [76KG]	15,138 CU.IN. [248,074 CU.CM.]	246 SQ.IN. [1,587 SQ.CM.] TOTAL 123 SQ.IN. [793.5 SQ.CM.] TOP 123 SQ.IN. [793.5 SQ.CM.] BOTTOM	TRIM PLATE REQUIRED	FLUSH FRONT OR NON-HINGED DOOR CONSTRUCTION- TRIM PLATE MAY BE OMITTED				

N/A = NOT APPLICABLE
* ADD 9 LBS [4.1KG] FOR ELECTRICAL OPERATOR

TABLE 1

ABB

POWER BREAK II
CIRCUIT BREAKER WEIGHTS & VENTS INFO

THIRD ANGLE	SHEET#	DWG NO.	DATE	REV
	13 of 19	GEM3025	28-Oct-22	C