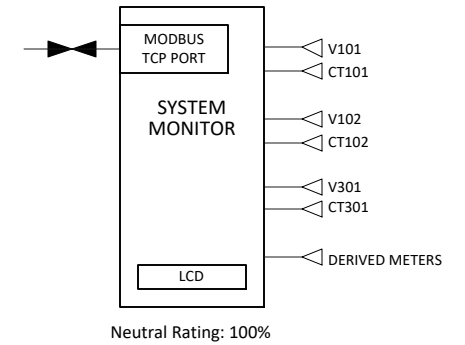
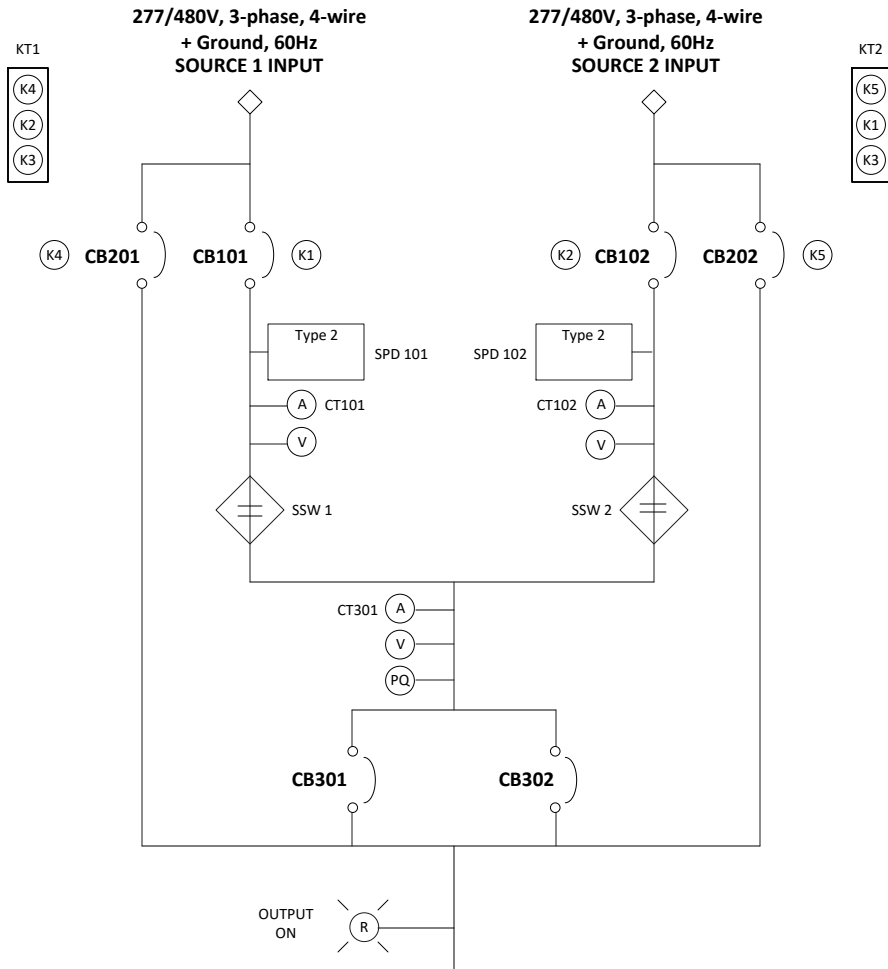


## Series 70 eSTS

3000A, 2-source, 4-pole, 4-wire, 65kA, SMR

### CIRCUIT BREAKER DATA

REF NO	RATING	FAULT RATING	TYPE	MOUNTING	AUXILIARY CONTACTS	SHUNT TRIPS	MFG	BREAKER SERIES
CB101 CB201 CB102 CB202	3200AF	65kA @ 480VAC (per UL ratings)	Switch Disconnecter UL 1066 4-pole	Fixed	Yes Internal Use Only	No	ABB	Emax 2
CB301 CB302	3200AF	65kA @ 480VAC (per UL ratings)	Switch Disconnecter UL 1066 4-pole	Fixed	Yes Internal Use Only	No	ABB	Emax 2



NOTE:

REFER TO THE MECHANICAL OUTLINE DRAWING FOR INFORMATION ON THE CUSTOMER CONNECTION TERMINALS.

LEGEND	
(A)	CURRENT METERING POINT
(V)	VOLTAGE METERING POINT
(PQ)	POWER QUALITY METERING POINT
(K#)	KIRK KEY (INTERNAL TO CB)
(K#)	KIRK KEY TRANSFER BLOCK

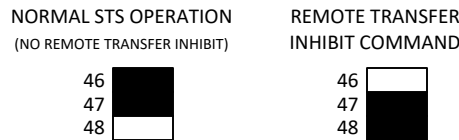
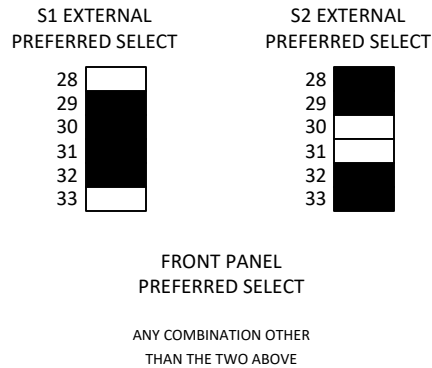


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ONE LINE DIAGRAM, eSTS

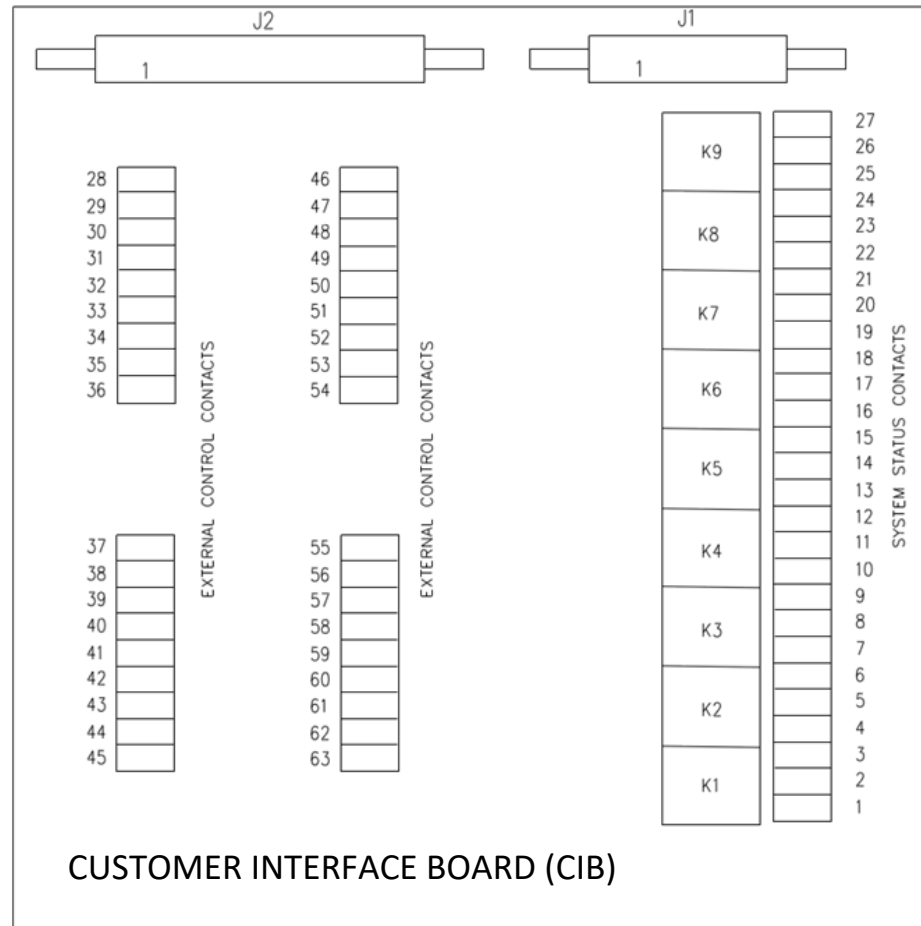
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	CHK	DATE	eSTS000637	A
	APPR	DATE	SHEET 1 OF 2	

# CUSTOMER INTERFACE BOARD (CIB)

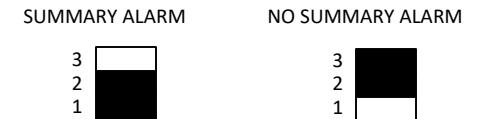
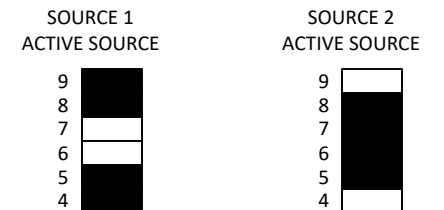
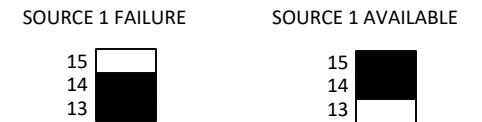
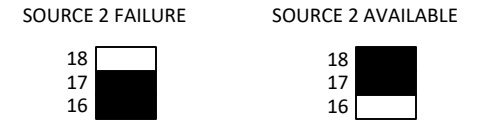
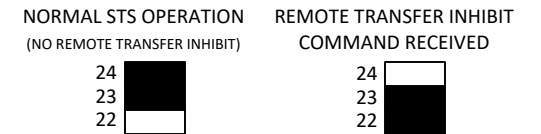
## EXTERNAL CONTROL CONTACTS



█ SYMBOL FOR CLOSED CONTACTS



## SYSTEM STATUS CONTACTS



### NOTES:

1. TERMINAL NUMBERS REFER TO TERMINALS ON CUSTOMER INTERFACE BOARD (CIB). REFER TO THE MECHANICAL OUTLINE DRAWING FOR EXACT LOCATION OF THE CIB AND CUSTOMER WAN.

2. TERMINALS SUITABLE FOR AWG 20-16 STRANDED COPPER WIRE. MAXIMUM ONE WAY LENGTH FOR #16: 500 ft (152 m).

3. ALL WIRING TO BE IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE AND ALL LOCAL CODES. CONTROL AND STATUS WIRING MUST BE RUN AND IN SEPARATE CONDUIT FROM POWER WIRING.

4. SYSTEM STATUS OUTPUTS ARE DRY, POTENTIAL-FREE CONTACTS. CUSTOMER REQUIREMENTS ARE AS FOLLOWS:  
 a. Circuit voltage  $V < 250$  V AC with current  $I < 12$  A RMS, power factor = 1.0.  
 b. Circuit voltage  $V < 200$  V DC with current  $I < 0.4$  A.

5. SYSTEM CONTROL INPUTS READ COMMANDS FROM EXTERNAL CONTACTS. CUSTOMER REQUIREMENTS ARE AS FOLLOWS:  
 a. Dry, potential-free contacts.  
 b. Form C  
 c. Contacts are to be capable of switching 24 V DC at 5 mA  $< I < 10$  mA.

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			ONE LINE DIAGRAM, eSTS	
JOB	DRAWN	DATE 6/20/2023	DWG NO	REV
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