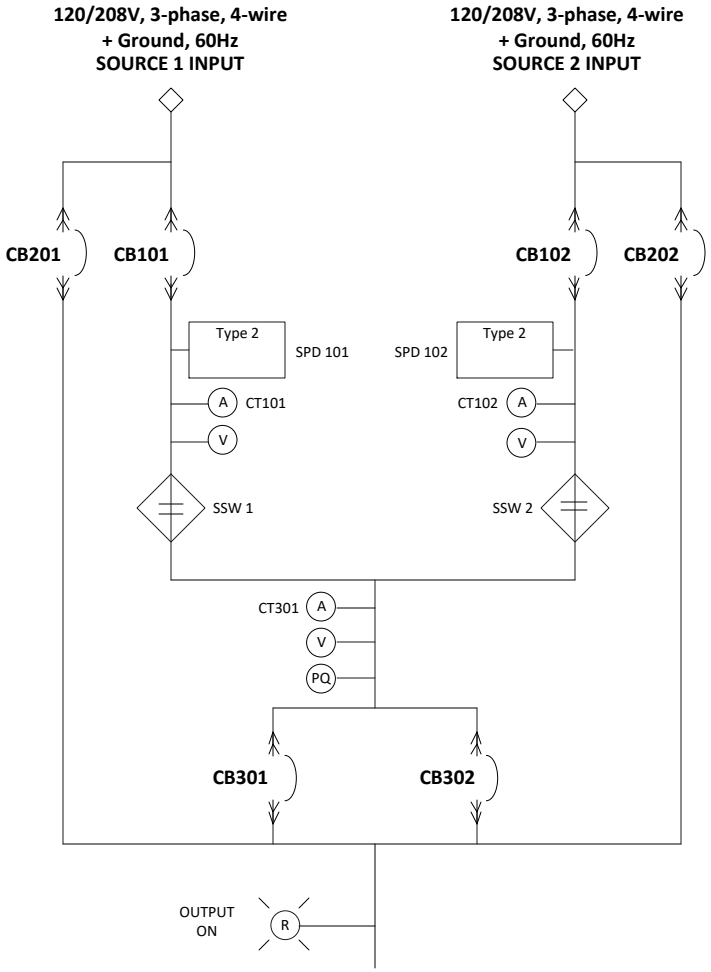
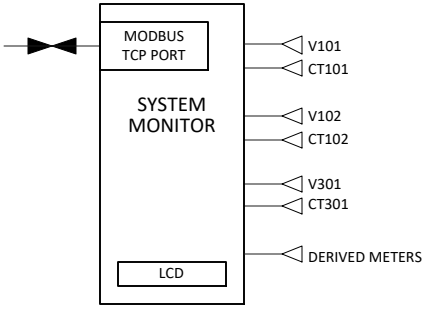
Series 70 eSTS

250A, 2-source, 3-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	250AF	65kA @ 240VAC (per UL ratings)	Molded Case Switch 3-pole	Plug-in	Yes Internal Use Only	No	ABB	Tmax XT4
CB301 CB302	250AF	65kA @ 240VAC (per UL ratings)	Molded Case Switch 3-pole	Plug-in	Yes Internal Use Only	No	ABB	Tmax XT4





Neutral Rating: 200%

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

LAYERZERO POWER SYSTEMS, INC.

PAGE DESCRIPTION

ONE LINE DIAGRAM, eSTS

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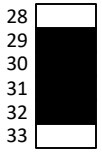
	CHK	DATE		
	APPR	DATE	SHEET 1 OF 2	

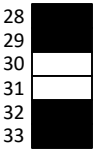
CUSTOMER INTERFACE BOARD (CIB)

EXTERNAL CONTROL CONTACTS

S1 EXTERNAL PREFERRED SELECT



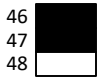
S2 EXTERNAL PREFERRED SELECT



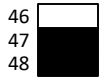
FRONT PANEL PREFERRED SELECT

ANY COMBINATION OTHER THAN THE TWO ABOVE

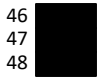
NORMAL STS OPERATION
(NO REMOTE TRANSFER INHIBIT)



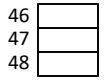
REMOTE TRANSFER INHIBIT COMMAND



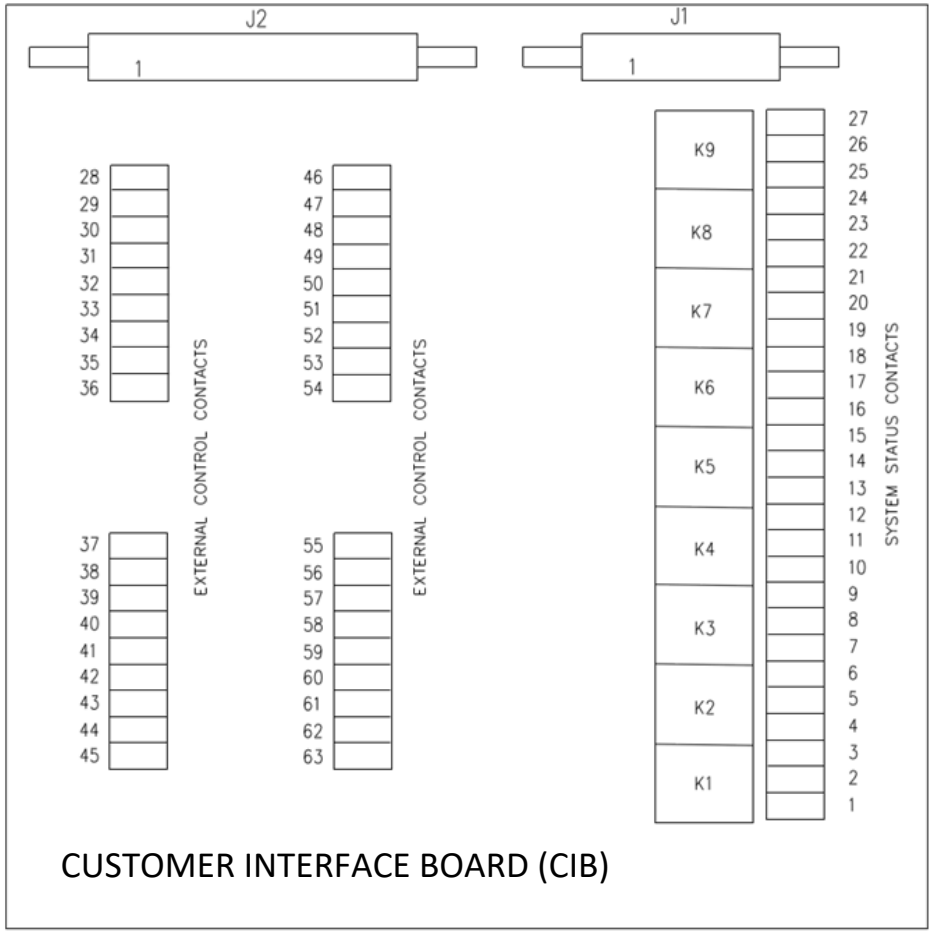
NORMAL STS OPERATION
(WITH FORM C ALARM)



NORMAL STS OPERATION
(WITH FORM C ALARM)



SYMBOL FOR CLOSED CONTACTS



CUSTOMER INTERFACE BOARD (CIB)

SYSTEM STATUS CONTACTS

NORMAL STS OPERATION
(NO REMOTE TRANSFER INHIBIT)

REMOTE TRANSFER INHIBIT COMMAND RECEIVED

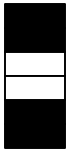
SOURCE 2 FAILURE

SOURCE 2 AVAILABLE

SOURCE 1 FAILURE

SOURCE 1 AVAILABLE

SOURCE 1 ACTIVE SOURCE



SOURCE 2 ACTIVE SOURCE

SUMMARY ALARM

NO SUMMARY ALARM

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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	CHK	DATE		
	APPR	DATE	SHEET 2 OF 2	