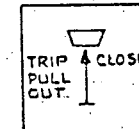


ECN 70088

RELAY CONTACT	SI/5A1 BFD-483	3-1/5A BFD-1205	SI/5A BFD-845	3-2/5A BFD-405	3-3/5A1 BFD-805	3-3/5A2 BFD-805	27-5A/X3 BFD-1205	27-5A/X2 BFD-845
1-1-5	52/SI1 Δ 28	52/CS1 Δ 32	SPARE	52/CC1 Δ 27	52/SPARE Δ 86	52/PBU3 Δ 88	52/5A SH. 7	INTERLOCK SH. 5
2-1-6	V-7-16 Δ 110	52/CRF1 Δ 37	SPARE	52/SW4 Δ 76	52/FUTURE Δ 87	52/MCCB SH. 9	52/5A SH. 7	33-1-LL-31173 SH. 18
3-1-7	V-7-17 Δ 117	52/SI1 Δ 28	52/MCC6A SH. 10	52/SW1 Δ 33	52/FUTURE Δ 87	52/R1 Δ 24	52/CS1 Δ 32	SPARE
4-1-8	b —	52/CRF3 Δ 47	52/SW4 Δ 76	SPARE	52/FUTURE Δ 87	52/LT3 SH. 9	52/EG3 SH. 8	SPARE
17-1-21	—	SPARE	52/SW1 Δ 33	—	—	—	52/CRF1 Δ 37	SPARE
18-1-22	—	SPARE	52/2AT5A SH. 12	—	—	—	52/SI1 Δ 28	SPARE
19-1-23	—	SPARE	INTERLOCK SH. 5	—	—	—	52/CC1 Δ 27	SPARE
20-1-24	—	SPARE	INTERLOCK SH. 5	—	—	—	52/CRF3 Δ 47	SPARE
2-1-13	V-889A Δ 113	52/SW4 Δ 76	b Δ 32	—	52/C1 Δ 26	52/CC1 Δ 27	52/SW4 Δ 76	INTERLOCK SH. 5
4-1-14	b —	52/SW1 Δ 33	b SPARE	—	52/SW7 Δ 205	52/MCC9 SH. 9	52/SW1 Δ 33	b 52/SAC SH. 11
11-1-15	b —	52/CC1 Δ 27	b 52/SAC SH. 11	—	EG3 START CKT. LL-31163, SH. 6	SPARE	52/2AT5A SH. 12	INTERLOCK SH. 5
12-1-16	b —	SPARE	b SPARE	—	EG3 START CKT. LL-31163, SH. 6	SPARE	52/2AT5A SH. 12	b SPARE

DEV. 1/\*



DEVICE 1/\* (TYPICAL)

CONTACT	POSITION				
	PULL OUT	TRIP	OFF TRIP	AFTER CLOSE	CLOSE
A11-B11	X	X			
A12-B12			X	X	
A1-B1					X
A5-A6	X	X	X		
A6-A7				X	X
B5-B6	X	X	X		
B6-B7				X	X
C11-D11	X	X			
C12-D12			X	X	
C1-D1					X
C5-C6	X	X	X		
C6-C7				X	X
D5-D6	X	X	X		
D6-D7				X	X
E11-F11	X	X	X		
E12-F12			X	X	X
E1-F1					X
E5-E6	X	X	X	X	
E6-E7				X	X
F5-F6	X	X	X	X	
F6-F7				X	X
G12-G1	X				
H12-H1		X	X	X	X
G6-G7	X				
H6-H7		X	X	X	X

W OF RELAY TERMINAL CONFIGURATION

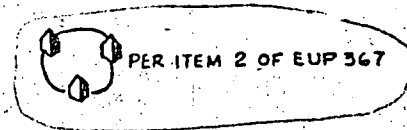
OCI			
01	02	03	04
017	018	019	020
09	010	011	012

BF			
013	014	015	016
021	022	023	024
05	06	07	08

O.C2

RELAY SUPPLIED WITH UNMARKED TERMINALS. NUMBERS ASSIGNED FOR LOCATION PURPOSES ONLY.



TYPE "W" CONTROL SWITCH  
3-POSITION, SPRING RETURN TO OFF

NOTES

- \*1 - FOR TABULATED RELAY SCHEME SEE SH. 5
- \*2 - b INDICATES CONTACT NORMALLY CLOSED.
- \*3 - Δ INDICATES W DWG. 5008371 (U.E. & C. EP 9321-05-3307)

NO.	DATE	DESCRIPTION	ENGR	SUP ENGR
6	11/74	REV. PER ITEM 2 OF EUP-367-ECN 70088		
5	11/5/73	REVISED DEVICE DEVELOPMENT		
4	11/4/73	ADDED 52/MCC6A SH. 10 TO TABLE		
3	11/3/73	REVISED TABLE		
2	11/2/73	ADDED SWITCH PANEL PLATE		
1	11/1/73	REVISED RELAY CONTACTS		
2	11/4/70	FIRST ISSUE FOR CONSTRUCTION		
3	DATE	DESCRIPTION	ENGR	SUP ENGR

BUS 5A RELAY TABULATION

WESTINGHOUSE ELECTRIC CORPORATION  
FOR CONSOLIDATED EDISON COMPANY  
INDIAN POINT GENERATING STATION - UNIT NO. 3

SCHEMATIC DIAGRAM  
480V. SWITCHGEAR 31

SHEET NO. 3

U.E. & C. DWG. NO. 9321-LL-31173  
CON. ED. CO. DWG. NO. D202469

6246

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