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THREE PHASE WIRING FOR ASCO® 7000 SERIES MANUALLY OPERATED TRANSFER SWITCH TYPE 7MTS RATED 1000-3000 AMPERES

FEATURES, OPERATION, & NOTES

SIGNALS & AUXILIARIES

A. FEATURE 14A & 14B – TRANSFER SWITCH AUXILIARY POSITION INDICATING CONTACTS. ONE (1) FORM A CONTACTS TO INDICATE CONNECTION OF THE TRANSFER SWITCH TO NORMAL (14A) AND ONE (1) FORM A CONTACTS TO INDICATE CONNECTION OF THE TRANSFER SWITCH TO EMERGENCY (14B). CONTACTS CONNECTED TO THE FIELD CONNECTIONS TERMINAL BLOCK (TB). CONTACTS RATED 10 AMPS, 32VDC, 250 VAC.

INDICATORS

B. FEATURES 9A & 9B – TRANSFER SWITCH POSITION INDICATORS.
FEATURE 9A: TRANSFER SWITCH CLOSED ON NORMAL (GREEN LED)
FEATURE 9B: TRANSFER SWITCH CLOSED ON EMERGENCY (RED LED)

C. FEATURES 9C & 9D – SOURCE ACCEPTANCE INDICATORS.
FEATURE 9C: NORMAL SOURCE AVAILABLE (GREEN LED)
FEATURE 9D: EMERGENCY SOURCE AVAILABLE (RED LED)

OPERATION

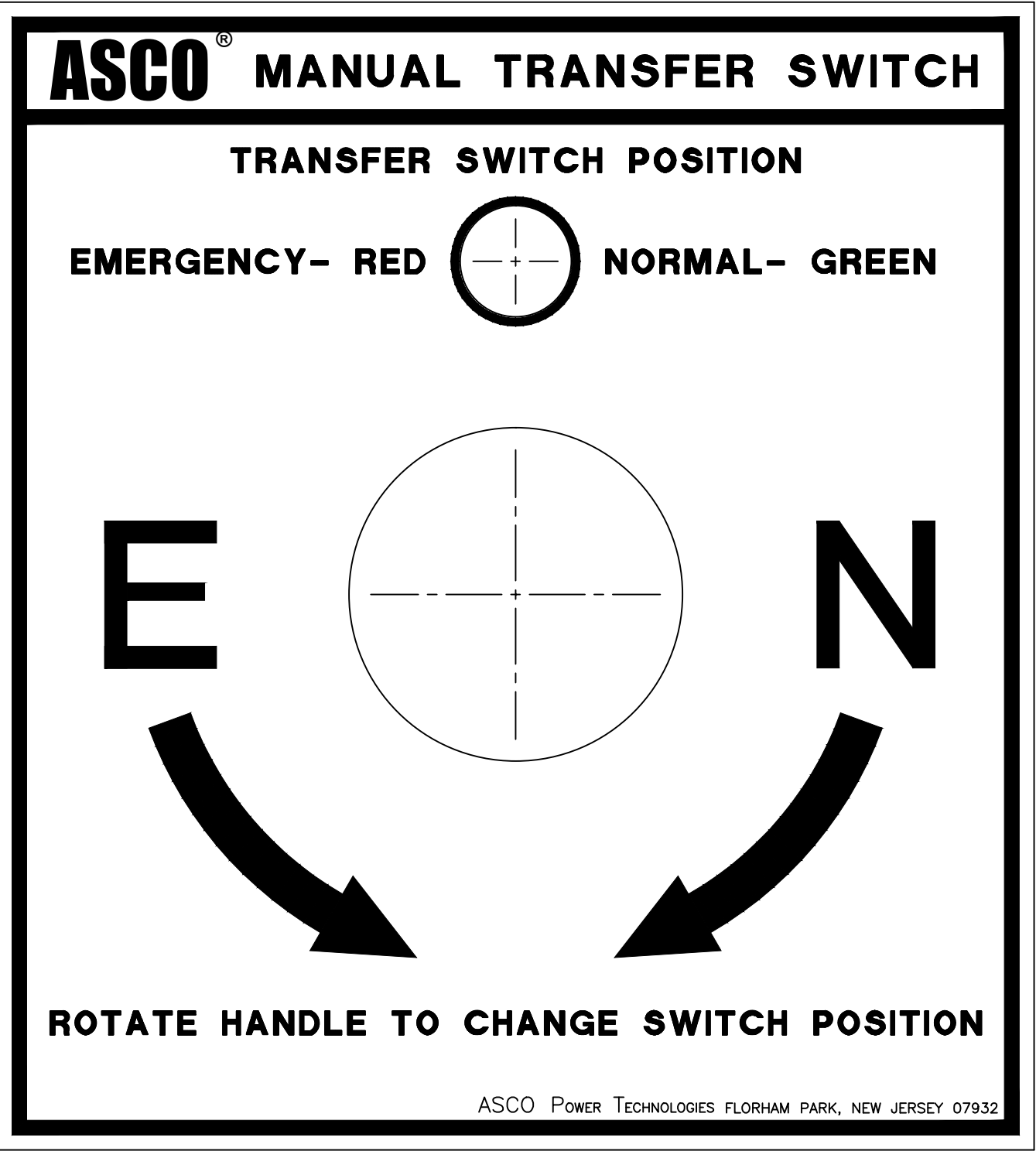
OBSERVE THE INDICATOR WINDOW. IF THE WINDOW IS GREEN THE TRANSFER SWITCH IS CONNECTED TO THE NORMAL SOURCE. RED INDICATES THE TRANSFER SWITCH IS CONNECTED TO THE EMERGENCY SOURCE.

TRANSFER TO EMERGENCY:
– GRASP MANUAL HANDLE FIRMLY WITH BOTH HANDS AND TURN HANDLE COUNTERCLOCKWISE.
– OBSERVE THE INDICATOR WINDOW TO CONFIRM TRANSFER.

TRANSFER TO NORMAL:
– GRASP MANUAL HANDLE FIRMLY WITH BOTH HANDS AND TURN HANDLE CLOCKWISE.
– OBSERVE THE INDICATOR WINDOW TO CONFIRM TRANSFER.

GENERAL NOTES

- SWITCH SHOWN DE-ENERGIZED AND CONNECTED TO THE NORMAL SOURCE.
- DEVICE SYMBOLS AND DESIGNATIONS ARE IN ACCORDANCE WITH NEMA PUBLICATION ICS 1-1983, PART 1-101A.
- ALL WIRING IS #16 AWG, TINNED, STRANDED COPPER UNLESS OTHERWISE INDICATED.
- ON TERMINAL BLOCKS INDICATES AVAILABLE FIELD CONNECTION POINT.
- ON TERMINAL BLOCKS INDICATES FACTORY CONNECTION POINT.
- CONTROL AND ACCESSORY WIRING IS ROUTED IN ACCORDANCE WITH ASCO ASSEMBLY PROCEDURE GS451261.
- AN OPERATOR'S MANUAL IS FURNISHED WITH EACH TRANSFER SWITCH. REFER TO THIS PUBLICATION PRIOR TO INSTALLATION AND OPERATION OF THE UNIT.



BASE CATALOG NUMBER				CATALOG NUMBER SUFFIXES				EXPLANATION OF CATALOG NUMBER CODES						
CATALOG TYPE	NEUTRAL TYPE	PHASE POLES	AMPS	VOLT CODE	CONTROLLER	OPTIONAL ACCESSORY	ENCLOSURE CODE	NEUTRAL TYPE		VOLTAGE CODES 3 PHASE (3 OR 4 WIRE) 50 OR 60 Hz		ENCLOSURE CODES		
7MTS	A B	3	1000 1200 1600 2000 2600 3000	BLANK		X	C E F G H J K L M N P Q	CODE	DESCRIPTION	CODE	NOMINAL VOLTAGE	CODE	TYPE	DESCRIPTION
								BLANK A B	NONE SOLID SWITCHING	BLANK	BLANK	BLANK C E F G H J K L M N P Q	1 2 3R 4 4X 4X 7 12	OPEN TYPE (NO ENCLOSURE) GENERAL PURPOSE, INDOOR INDOOR, WATER & DUST RESISTANT OUTDOOR, RAINPROOF, SLEET & ICE RESISTANT INDOOR/OUTDOOR, WATERTIGHT & DUSTTIGHT TYPE 4 PLUS CORROSION RESISTANCE (STAINLESS STEEL) TYPE 4 PLUS CORROSION RESISTANCE (FIBERGLASS) EXPLOSION PROOF INDOOR, INDUSTRIAL ENVIRONMENTS, OILTIGHT & DUSTTIGHT
	BLANK FOR NONE				BLANK FOR 7MTS	BLANK FOR NONE	BLANK FOR OPEN TYPE					M N P Q	3R 4 4X 12	(SECURE ENCLOSURES) OUTDOOR, RAINPROOF, SLEET & ICE RESISTANT INDOOR/OUTDOOR, WATERTIGHT & DUSTTIGHT TYPE 4 PLUS CORROSION RESISTANCE (STAINLESS STEEL) INDOOR, INDUSTRIAL ENVIRONMENTS, OILTIGHT & DUSTTIGHT

CATALOG NUMBER _____
ASCO® CERTIFIED TO
BY _____
DATE _____

FORM REV G

PROJECT NAME:

WIRING **DIAGRAM**
7000 SERIES (G7MTS) 3PH 1000-3000 AMPS
"G" FRAME, MANUALLY OPERATED TS

DRAWN BY	BY	DATE	MANUFACTURING TOLERANCES TO BE IN ACCORDANCE WITH ASCO PROCEDURE MP-1-003. FOR PLASTIC PARTS SEE MP-1-005	ASSEM. REF. NO.	SCALE	NO.	SIZE	DS
CHECKED	WK	2/01	PROPERTY OF ASCO POWER TECHNOLOGIES. USE PERMITTED FOR OUR WORK ONLY. ALL RIGHTS OF DESIGN OR INVENTION ARE RESERVED.					
PROJECT APPROVAL								
FINAL APPROVAL	BK	1/18/01						

ASCO®

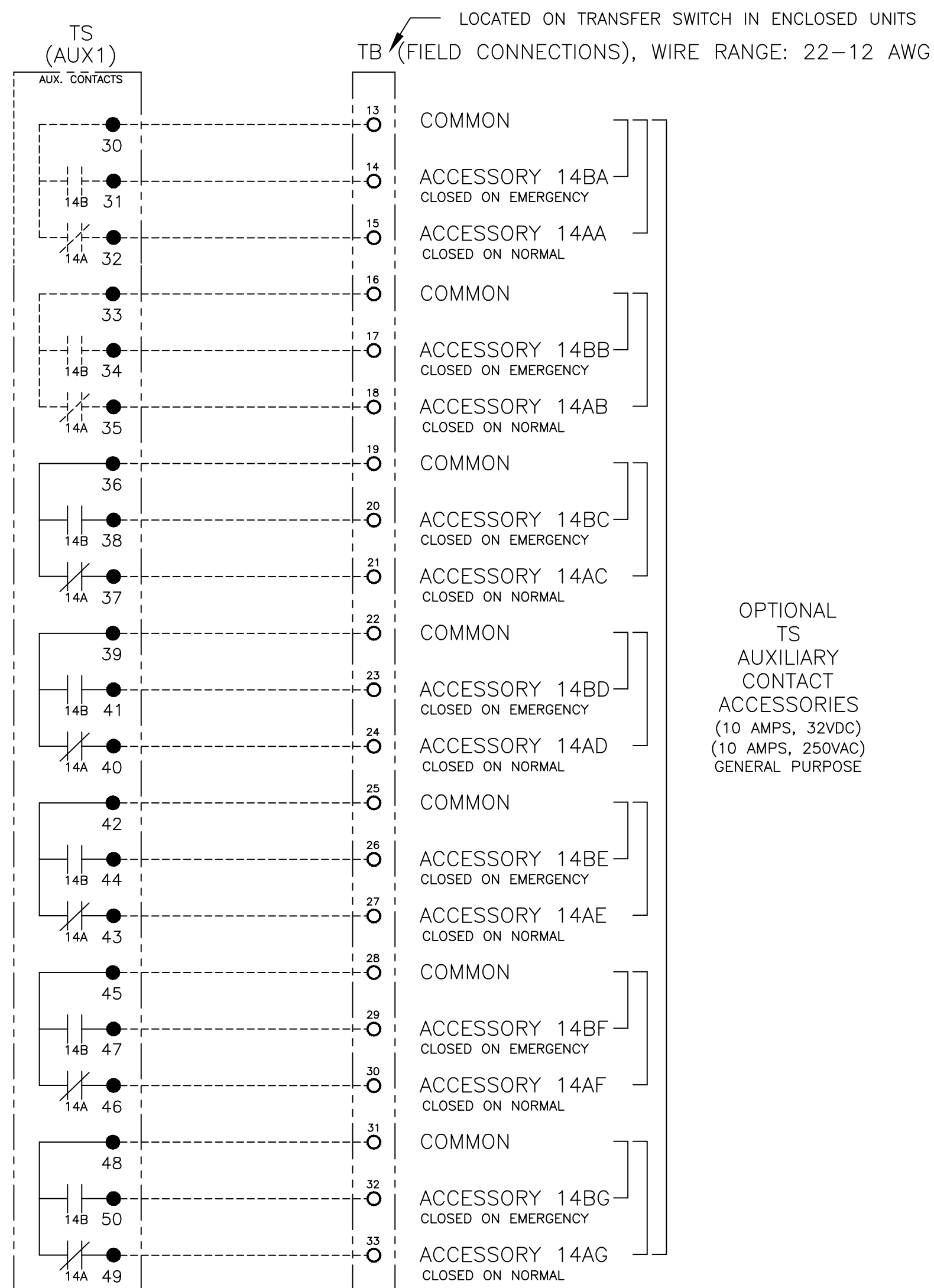
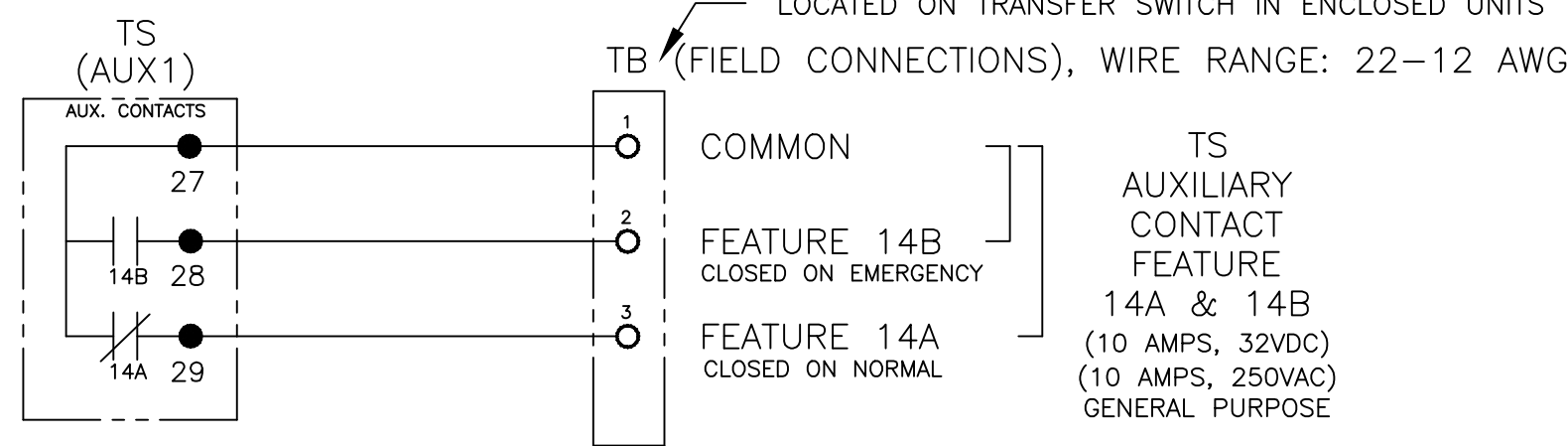
ASCO POWER TECHNOLOGIES, L.P.
FLORHAM PARK, NEW JERSEY 07932 U.S.A.

G	268769	TR	BK	08/28/17
F	236095	NS	BK	03/07/12
E	234008	MLR	MM	10/03/11
D	160786	BK	BK	5/30/02
C	157978	WK	BK	6/19/01
B	157219	BK	BK	4/01
A	156289	BK	BK	03/12/01
—	156284	JPB	BK	01/22/00
ISSUE	ECN NO.	BY	APP.	DATE
REV. TO SHEET				
THIRD ANGLE PROJECTION				
COMPUTER GENERATED DRAWING				
DWG. NO.	716557	ECN NO.	268769	SHEET 1 OF 3
DRAWING G REV.				

FIELD CONNECTIONS

MAIN POWER POLES

CIRCUIT



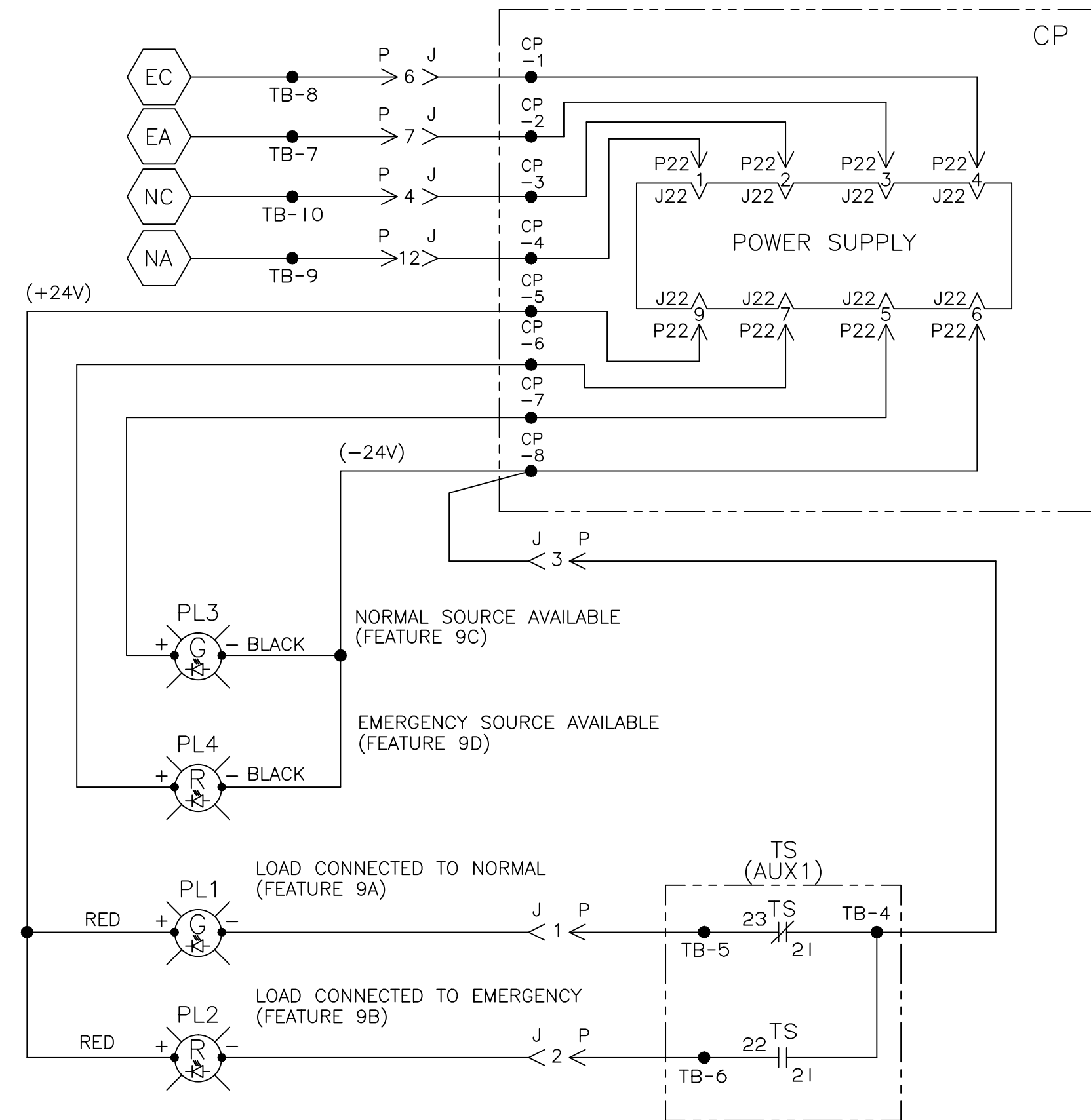
EMERGENCY

LOAD

NORMAL

OPTIONAL NEUTRAL TYPES

- REFER TO "EXPLANATION OF CATALOG NUMBERS IN CATALOG NUMBER CHART ON SHEET 1.
- NONE
 - SWITCHING
 - OVERLAPPING CONTACTS
 - SOLID BUS PLATE

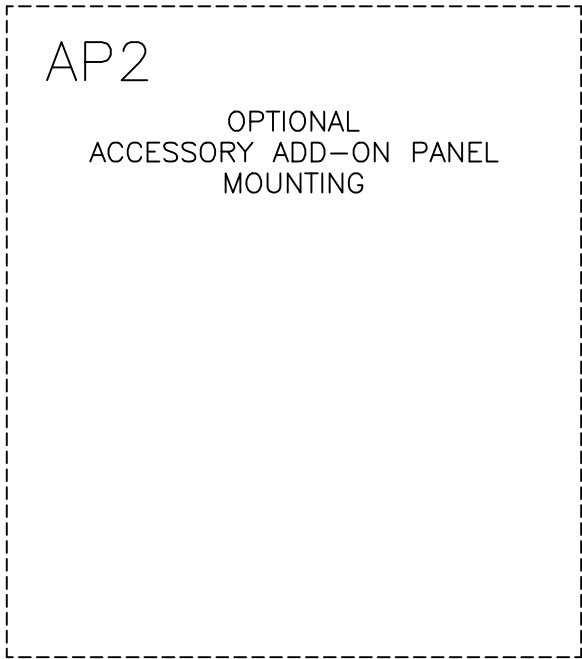


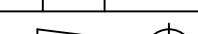
G	268769	TR	BK	08/28/17
SEE ECN				
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A	156289	BK	BK	03/12/01
SEE ECN				
—	156284	JPB	BK	01/22/00
ISSUE				

PROJECT NAME:		REV. TO SHEET	ECN NO.	BY	APP.	DATE
WIRING						
7000 SERIES (G7MTS) 3PH 1000-3000 AMPS						
"G" FRAME, MANUALLY OPERATED TS						
DRAWN BY	JPB	DATE	11/13/00	MANUFACTURING TOLERANCES TO BE IN ACCORDANCE WITH ASCO PROCEDURE MP-1-003. FOR PLASTIC PARTS SEE MP-1-005	ASSEM. REF. NO.	COMPUTER GENERATED DRAWING
CHECKED	WK	DATE	2/01	PROPERTY OF ASCO POWER TECHNOLOGIES, USE PERMITTED FOR OUR WORK ONLY. ALL RIGHTS OF DESIGN OR INVENTION ARE RESERVED.	SCALE	NONE
PROJECT APPROVAL					DWG. NO.	716557
FINAL APPROVAL	BK	DATE	1/18/01		DRAWING G	ECN NO. 268769
					REV.	SHEET 2 OF 3



3 ← HARNESS LOCATOR			
WIRE No.	WIRING (J,CP)	CLR	AWG
4	CP-8,PL3(-)	BLK	22
11	CP-5,PL1(+)	RED	(2 COND)
4	PL3(-),PL4(-)	BLK	22
11	PL1(+),PL2(+)	RED	(2 COND)
4	J-3,CP-8		16
5	J-1,PL1(-)		
6	J-2,PL2(-)		
7	J-7,CP-2		
8	J-6,CP-1		
9	J-12,CP-4		
10	J-4,CP-3		
12	CP-6,PL4(+)		
13	CP-7,PL3(+)		



PROJECT NAME:				REV. TO SHEET	ECN NO.	BY APP.	DATE
WIRING 7000 SERIES (G7MTS) 3PH 1000-3000 AMPS "G" FRAME, MANUALLY OPERATED TS				DIAGRAM  THIRD ANGLE PROJECTION			
BY		DATE	MANUFACTURING TOLERANCES TO BE IN ACCORDANCE WITH ASCO PROCEDURE MP-1-003. FOR PLASTIC PARTS SEE MP-1-055		ASSEM. REF. NO.		
DRAWN BY	JPB	11/13/00					
CHECKED	WK	2/01	PROPERTY OF ASCO POWER TECHNOLOGIES. USE PERMITTED FOR OUR WORK ONLY. ALL RIGHTS OF DESIGN OR INVENTION ARE RESERVED.				
PROJECT APPROVAL							
FINAL APPROVAL	BK	1/18/01					
 ASCO POWER TECHNOLOGIES, L.P. FLOHRAM PARK, NEW JERSEY 07932 U.S.A.			COMPUTER GENERATED DRAWING SCALE NONE SIZE DS DWG. NO. 716557 DRAWING REV. G ECN 268769 SHEET 3 OF 3				