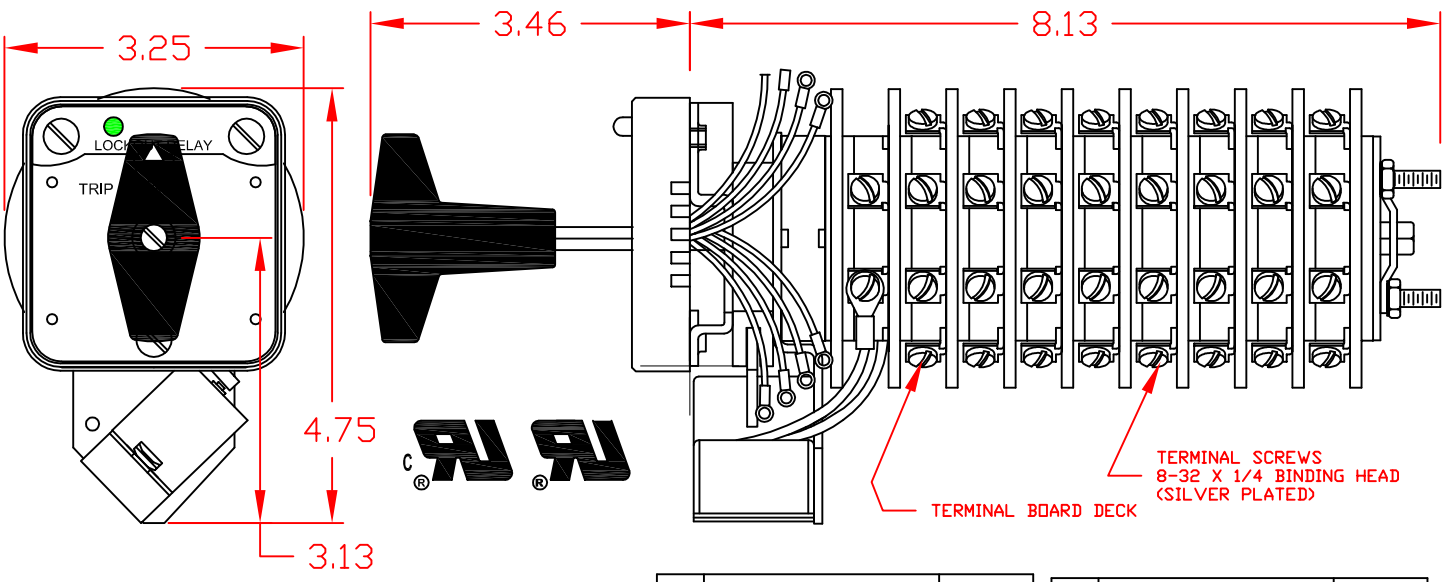
7607D 125VDCCXX

SHALLCO



SPECIFICATIONS:
NO. OF POSITIONS: 2, TRIP AND RESET
NO. OF SECTIONS: 7
CONTACTS: 2 NORMALLY OPEN
2 NORMALLY CLOSED
PER DECK
ACTION: 45° POSITIVE TRIP DETENT
STATIONARY CONTACTS : SILVER OVER COPPER
NAMEPLATE: AS SHOWN

COIL SPECIFICATIONS:
OPERATING VOLTAGE: 125 VDC / 120 VAC
THRESHOLD VOLTAGE: 16 VDC / 20 VAC
OPERATING RANGE: 30 - 140 VDC / 30 - 140 VAC
CURRENT AT RATED VOLTAGE: 4.6 / 4.4 AMPS

ELECTRICAL RATINGS:
25 A/120 VAC 3 A/ 125 VDC
15 A/240 VAC 1 A/ 250 VDC
6 A/600 VAC

OVERLOAD CURRENT (50 OPERATIONS):
95 A/120 VAC
65 A/240 VAC
35 A/600 VAC

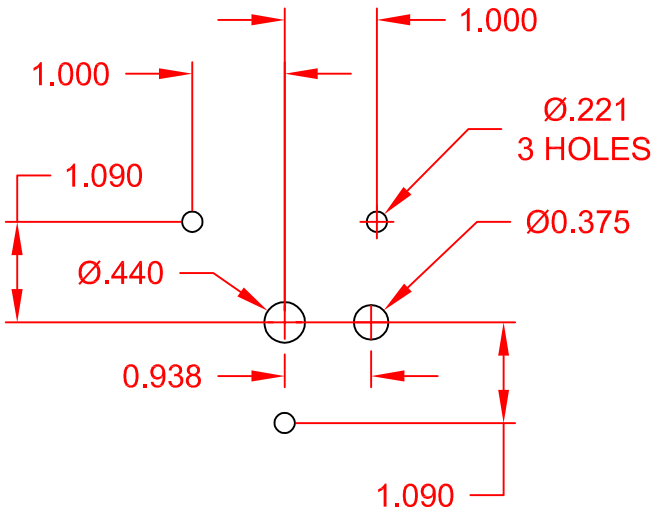
DIELECTRIC STRENGTH: 2200 VRMS

INSULATION RESISTANCE: 100 MEGOHMS INITIAL

CONTACT RESISTANCE: 10 MILLIOHMS MAX. INITIAL

DECK	CONTACTS	POSITION TRIP	POSITION RESET
1	11 — 13		X
	12 — 18	X	
	15 — 17		X
	16 — 14	X	
2	21 — 23		X
	22 — 28	X	
	25 — 27		X
	26 — 24	X	
3	31 — 33		X
	32 — 38	X	
	35 — 37		X
	36 — 34	X	
4	41 — 43		X
	42 — 48	X	
	45 — 47		X
	46 — 44	X	

DECK	CONTACTS	POSITION TRIP	POSITION RESET
5	51 — 53		X
	52 — 58	X	
	55 — 57		X
	56 — 54	X	
6	61 — 63		X
	62 — 68	X	
	65 — 67		X
	66 — 64	X	
7	71 — 73		X
	72 — 78	X	
	75 — 77		X
	76 — 74	X	



MOUNTING HOLE DETAIL

DESCRIPTION
7607D 125VDCCXX
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AN ISO 9001 COMPANY

308 COMPONENTS DRIVE
SMITHFIELD, NC 27577 USA

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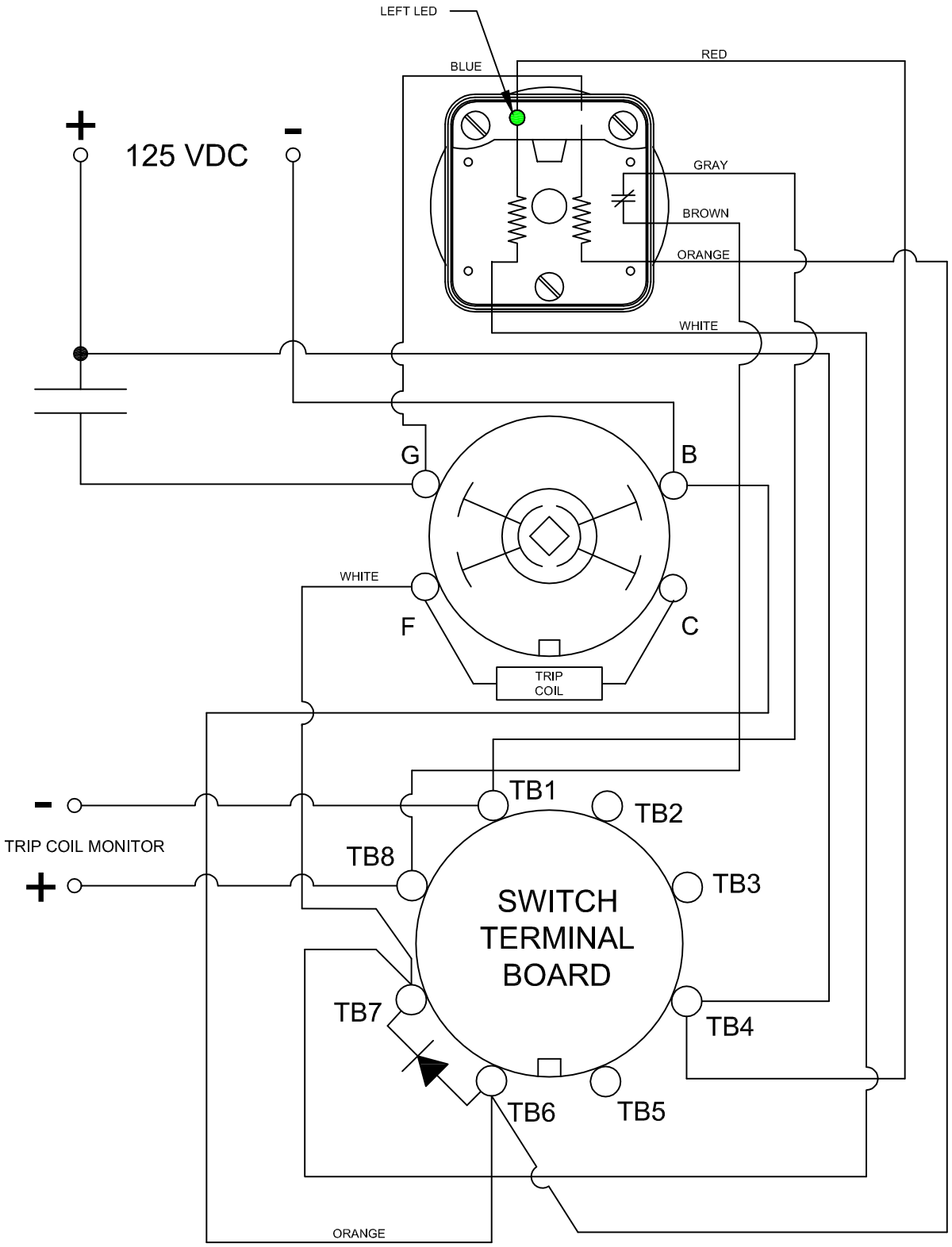

DESCRIPTION

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REV. -

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SMITHFIELD, NC 27577 USA

LOCK-OUT RELAYS (LOR)

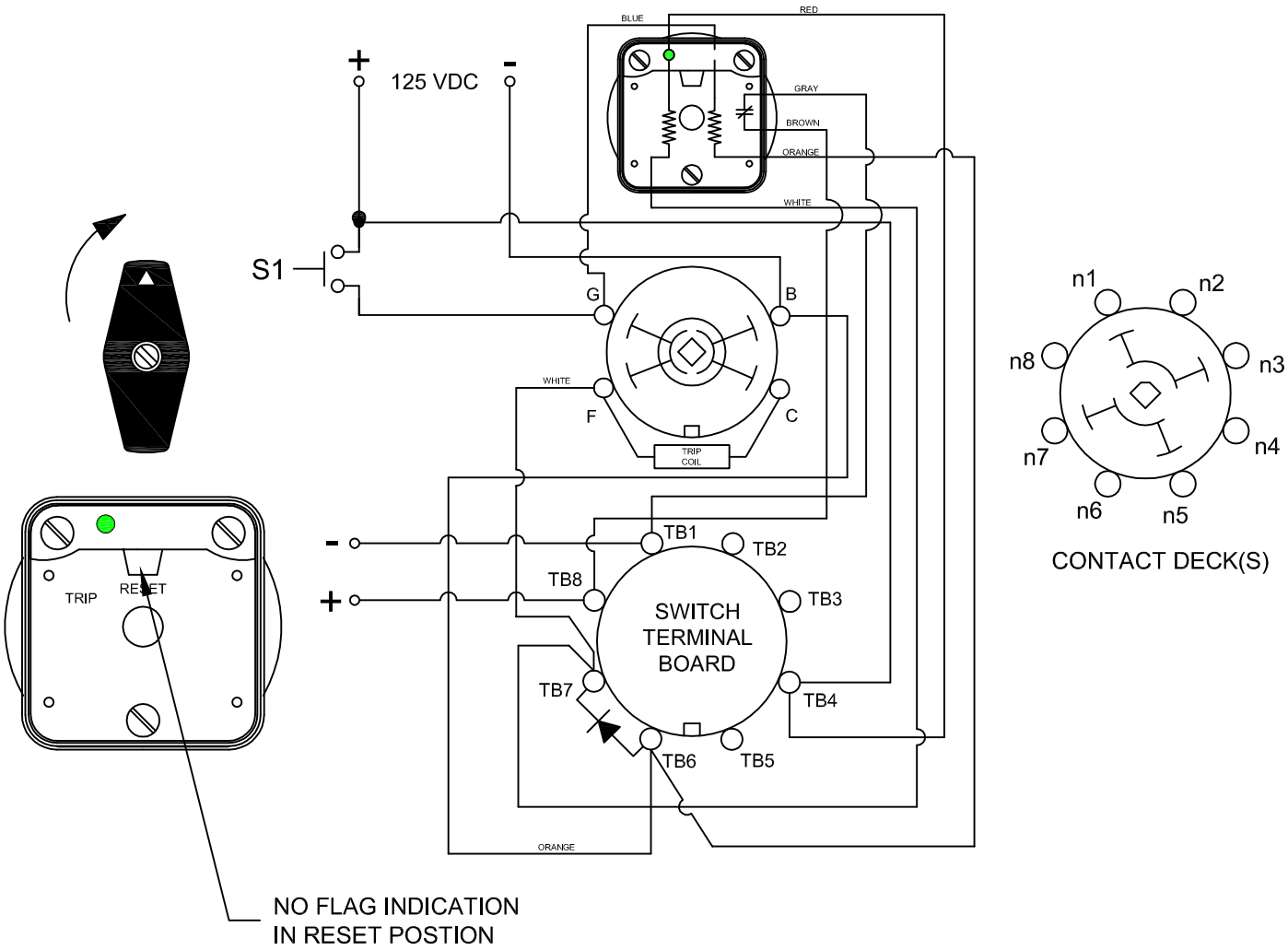
GENERAL OPERATION:

THE HANDLE OF THE LOR MUST BE MANUALLY ROTATED CLOCKWISE TO PLACE THE UNIT IN THE "RESET" POSITION (SEE FIGURE A)

CONDITION #1	
ROTOR	RESET (AS SHOWN)
SWITCH 1 (S1)	OPEN

RESULT	
LEFT LED	ON
TCM CIRCUIT (TRIP COIL MONITOR)	OPEN

FIGURE A - RESET POSITION



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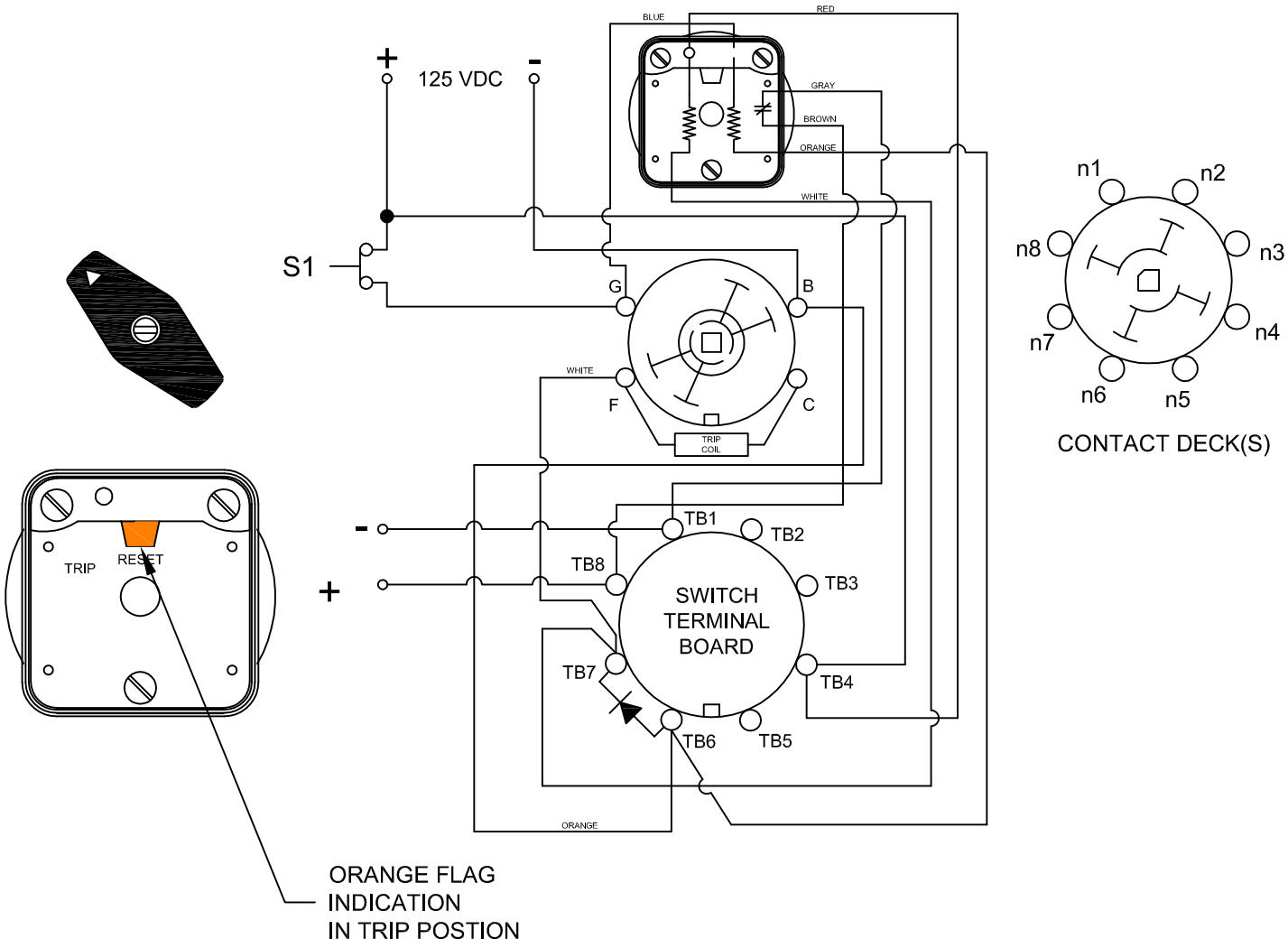
CONDITION #2	
ROTOR	TRIP(AS SHOWN)
SWITCH 1 (S1)	CLOSED

RESULT	
LEFT LED	OFF
TCM SWITCH	CLOSED

WHEN S1 CLOSES, THE COIL CAUSES A MECHANICAL ROTATION OF THE RELAY RESULTING IN THE SWITCH ROTOR ADVANCE TO THE "TRIP" POSITION SHOWN

FIGURE B - TRIP POSITION



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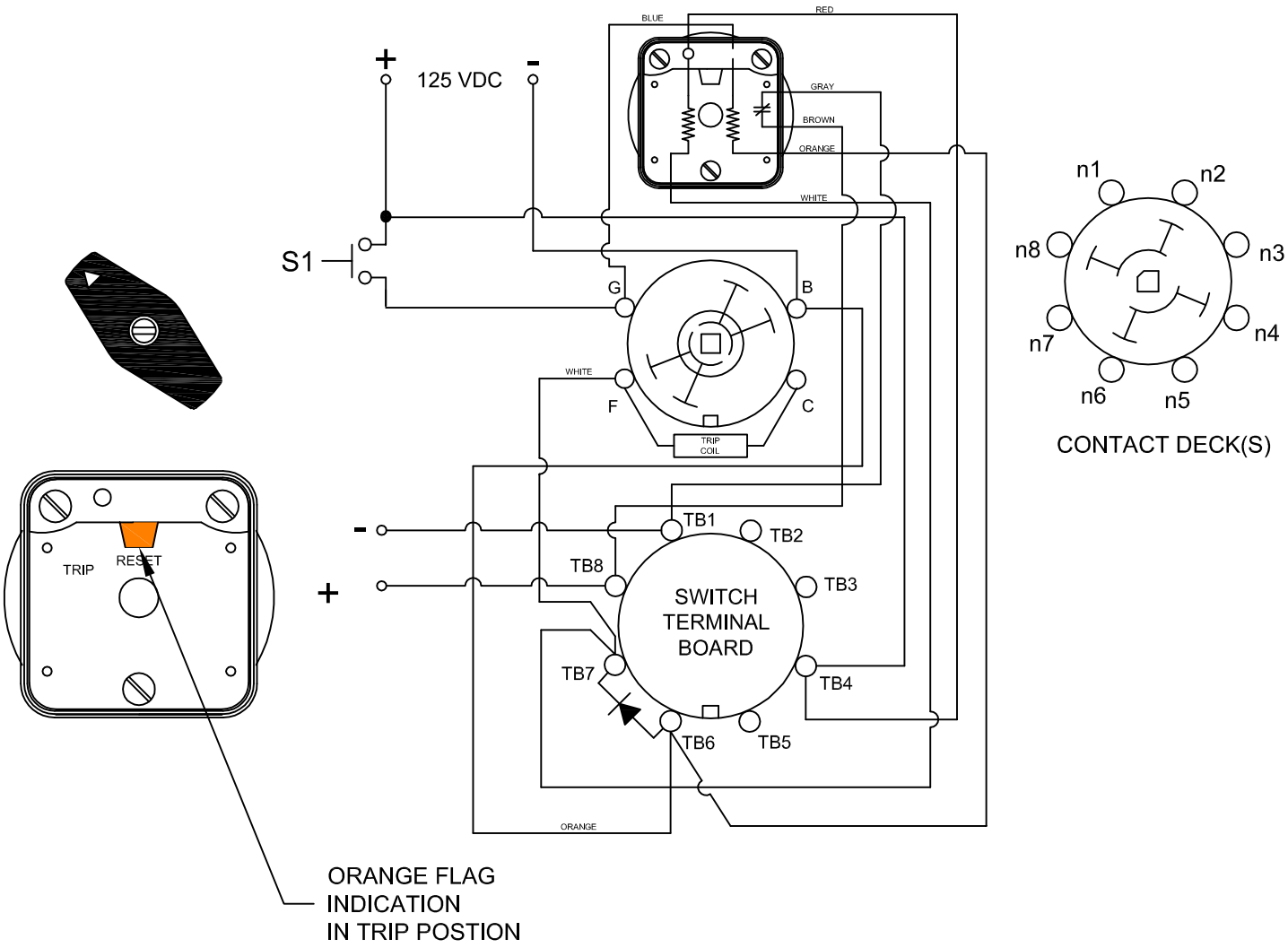
CONDITION #2	
ROTOR	TRIP (AS SHOWN)
SWITCH 1 (S1)	OPEN

RESULT	
LEFT LED	OFF
TCM SWITCH	CLOSED

WHEN S1 OPENS, LOR REMAINS IN THE "TRIP" POSITION AND SCADA REMAINS CLOSED UNTIL MANUALLY ROTATED TO THE RESET POSITION

FIGURE B - TRIP POSITION



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