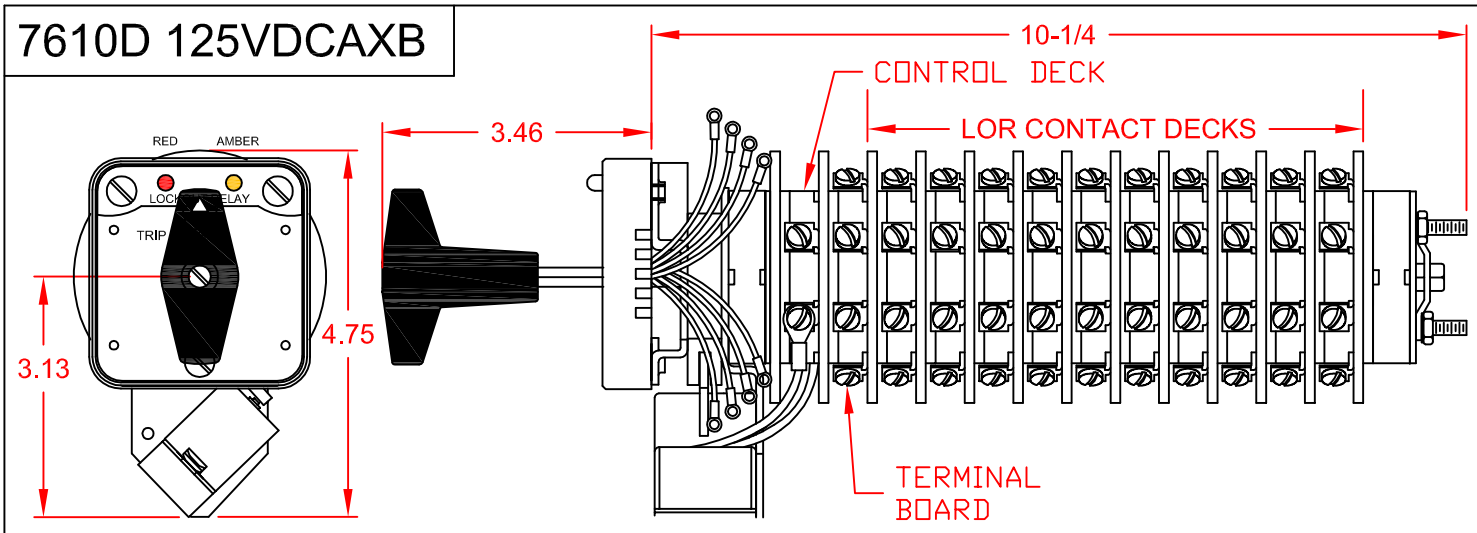
7610D 125VDCAXB



SPECIFICATIONS:
NO. OF POSITIONS: 2, TRIP AND RESET
NO. OF SECTIONS: 10
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:
25A/120 VAC
15A/600 VAC
20A/600 VAC (RESISTIVE)
3A/125 VDC
1A/250 VDC

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

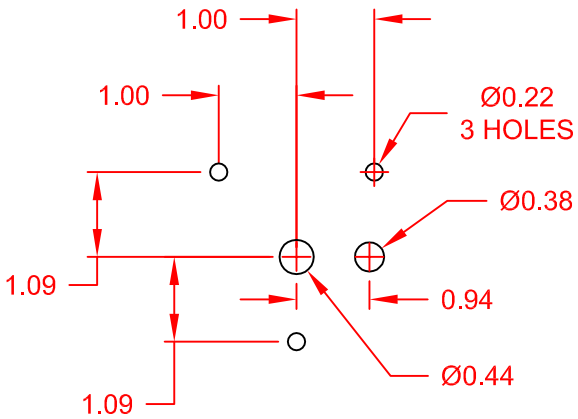
DIELECTRIC STRENGTH:
2200 VRMS

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	
5	51 — 53		X
	52 — 58	X	
	55 — 57		X
	56 — 54	X	

DECK	CONTACTS	POSITION TRIP	POSITION RESET
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	
8	81 — 83		X
	82 — 88	X	
	85 — 87		X
	86 — 84	X	
9	91 — 93		X
	92 — 98	X	
	95 — 97		X
	96 — 94	X	
10	101 — 103		X
	102 — 108	X	
	105 — 107		X
	106 — 104	X	



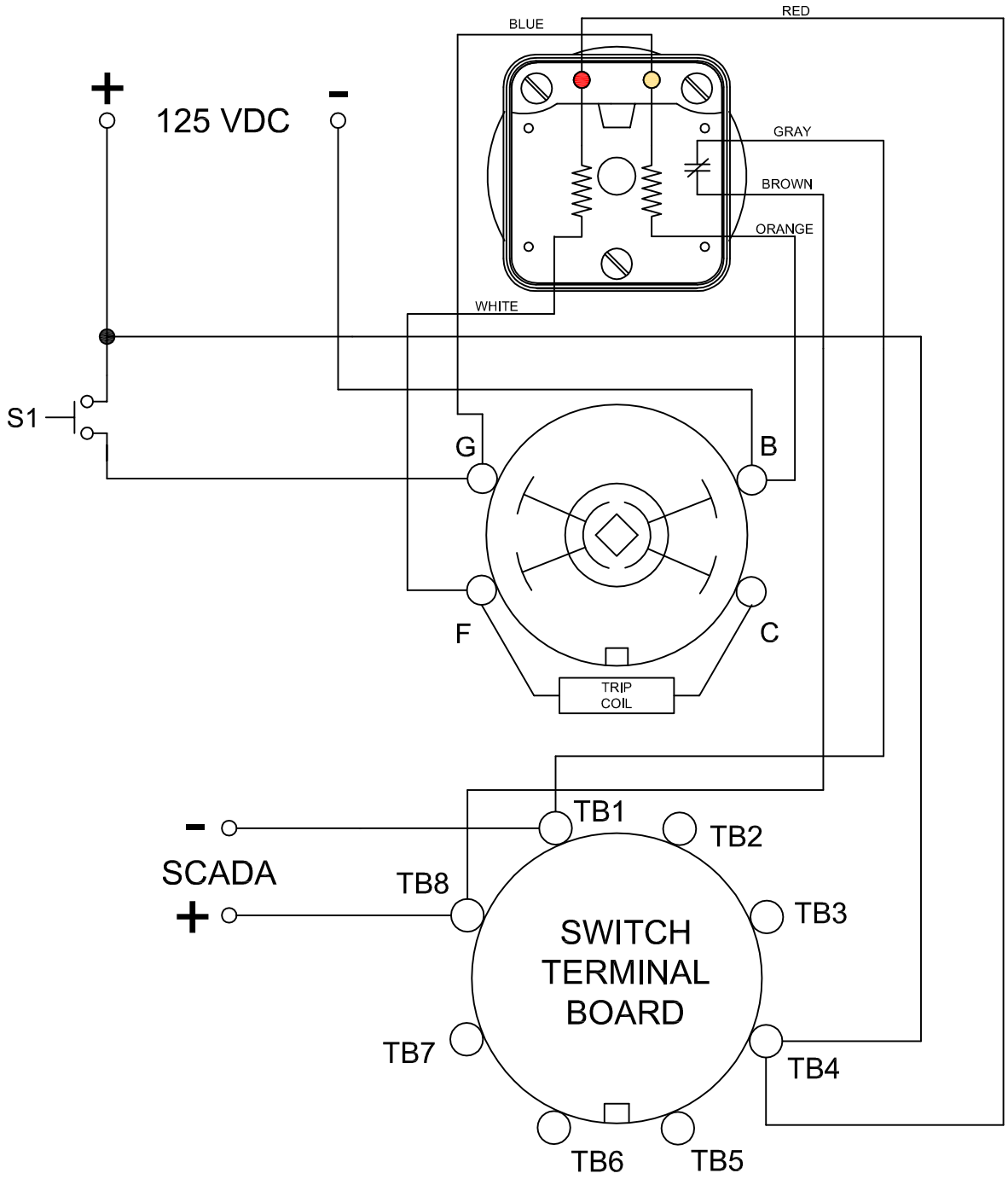
PANEL DRILLING

CUSTOMER INFORMATION::
TERMINAL SCREW TIGHTENING TORQUE: : 8 IN-LBS.

PART NUMBER
7610D 125VDCAXB

SHALLCO
AN ISO 9001 COMPANY
308 COMPONENTS DRIVE
SMITHFIELD, NC 27577 USA

7610D 125VDCAXB



DESCRIPTION

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7610D 125VDCAXB

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

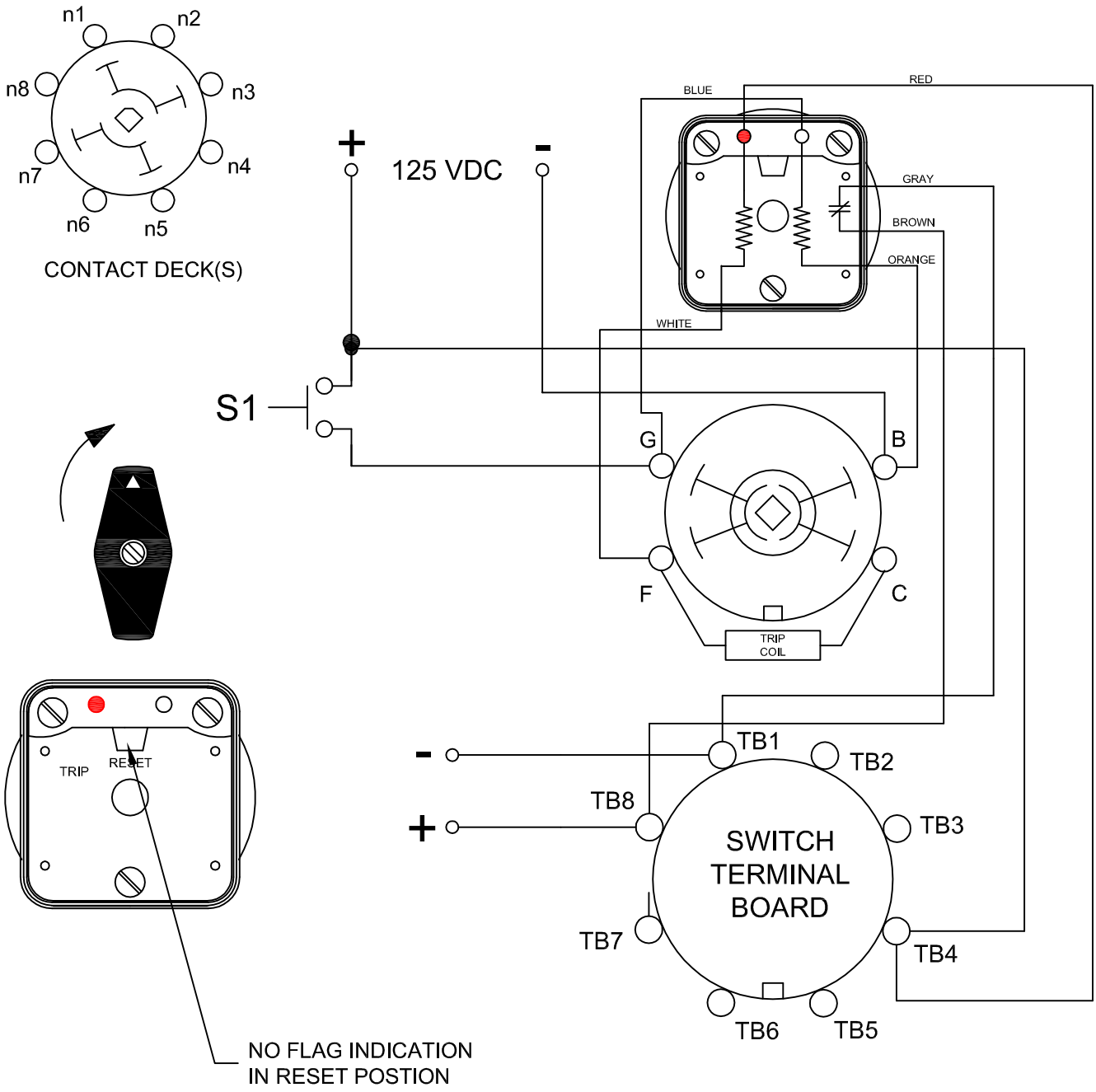
RESULT	
LEFT LED	ON
RIGHT LED	OFF
SCADA CIRCUIT TRIP COIL MONITOR)	OPEN

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)

FIGURE A - RESET POSITION



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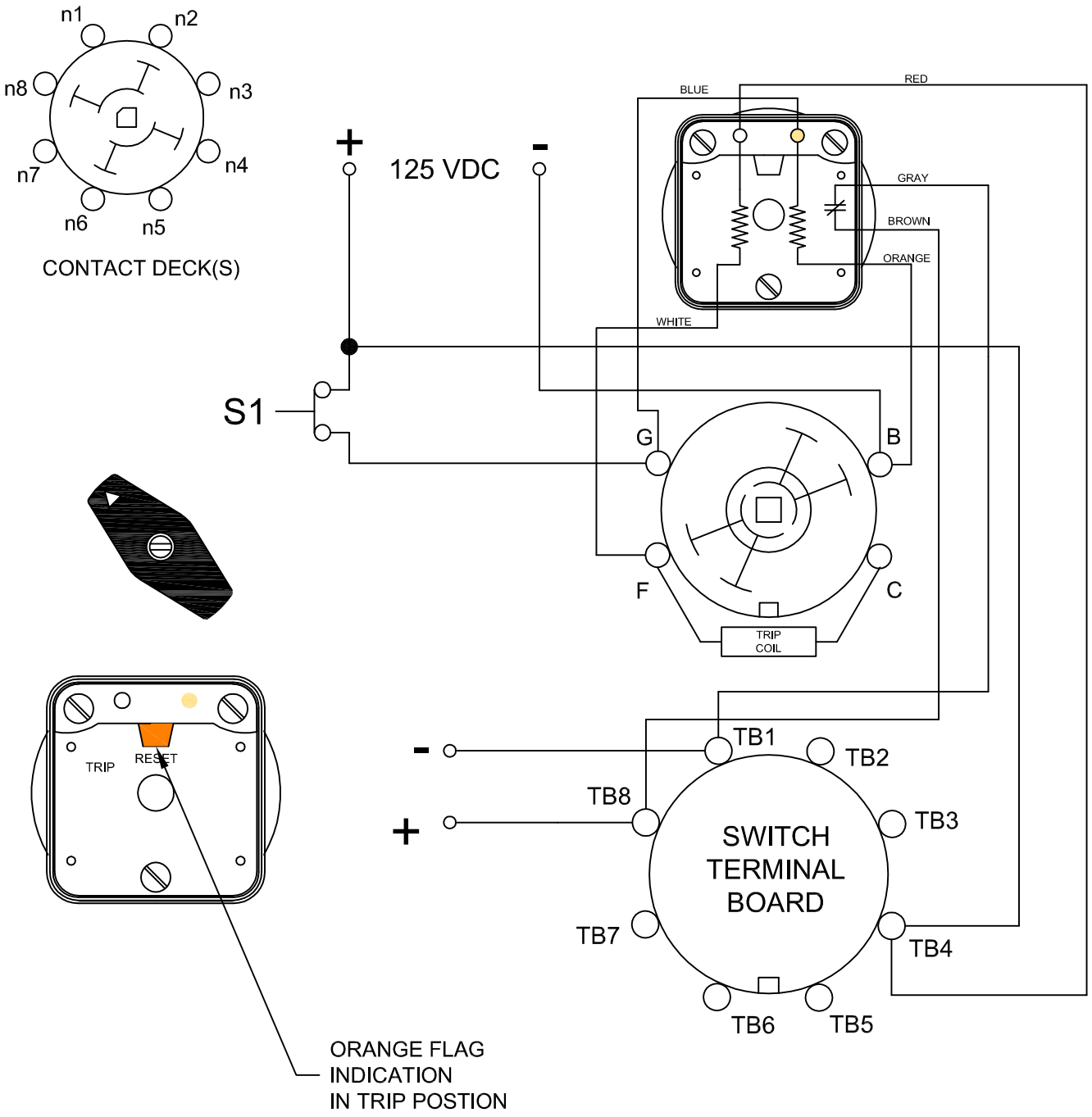
CONDITION #2	
ROTOR	TRIP(AS SHOWN)
SWITCH 1 (S1)	CLOSED

RESULT	
LEFT LED	OFF
RIGHT LED	ON
SCADA 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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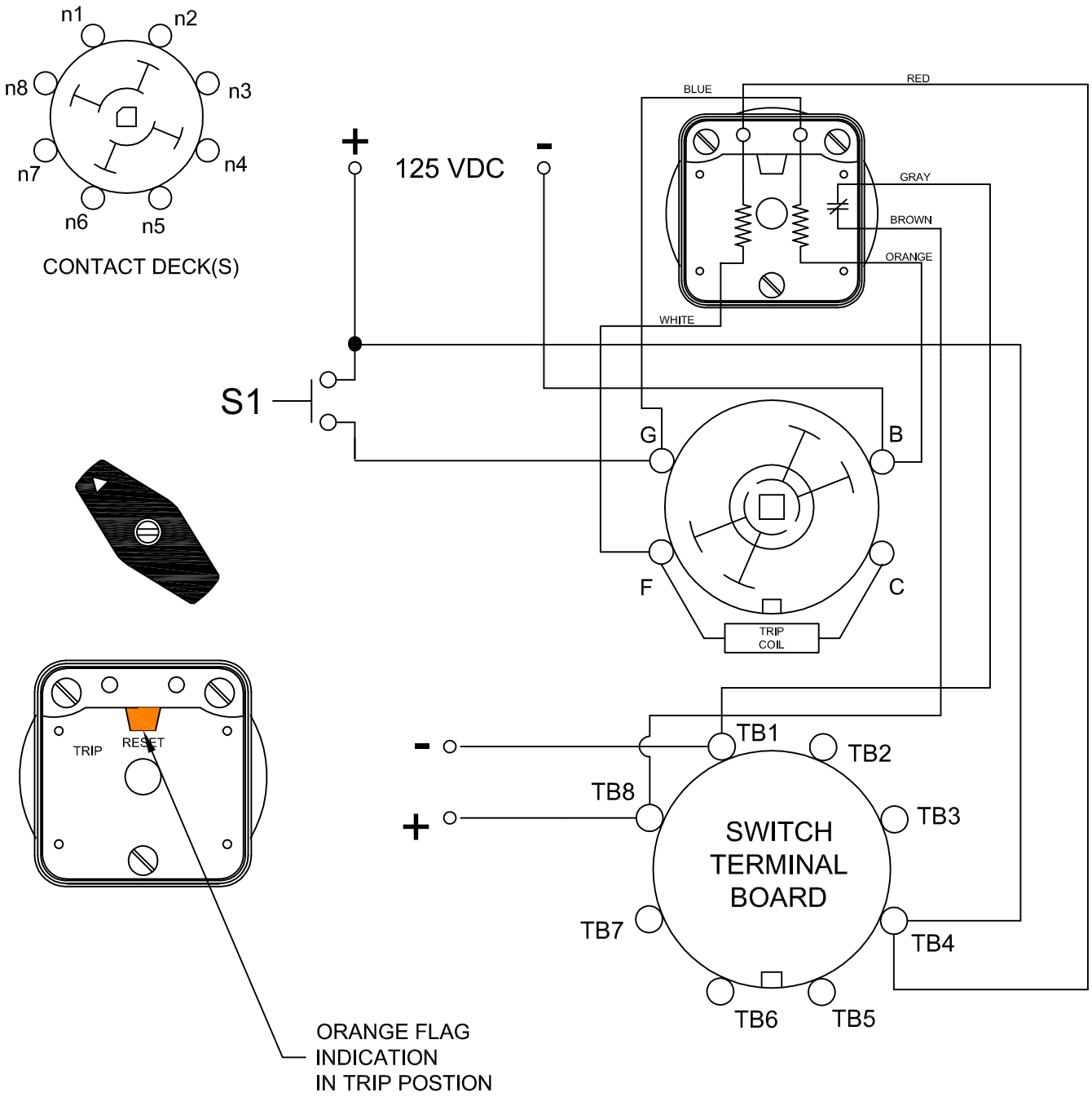
CONDITION #2	
ROTOR	TRIP (AS SHOWN)
SWITCH 1 (S1)	OPEN

RESULT	
LEFT LED	OFF
RIGHT LED	OFF
SCADA SWITCH	CLOSED

WHEN S1 REOPENS, THE SCADA CIRCUIT REMAINS CLOSED AND THE RIGHT LED GOES OFF UNTIL THE LOR IS RETURNED TO THE RESET POSITION.

FIGURE B - TRIP POSITION



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