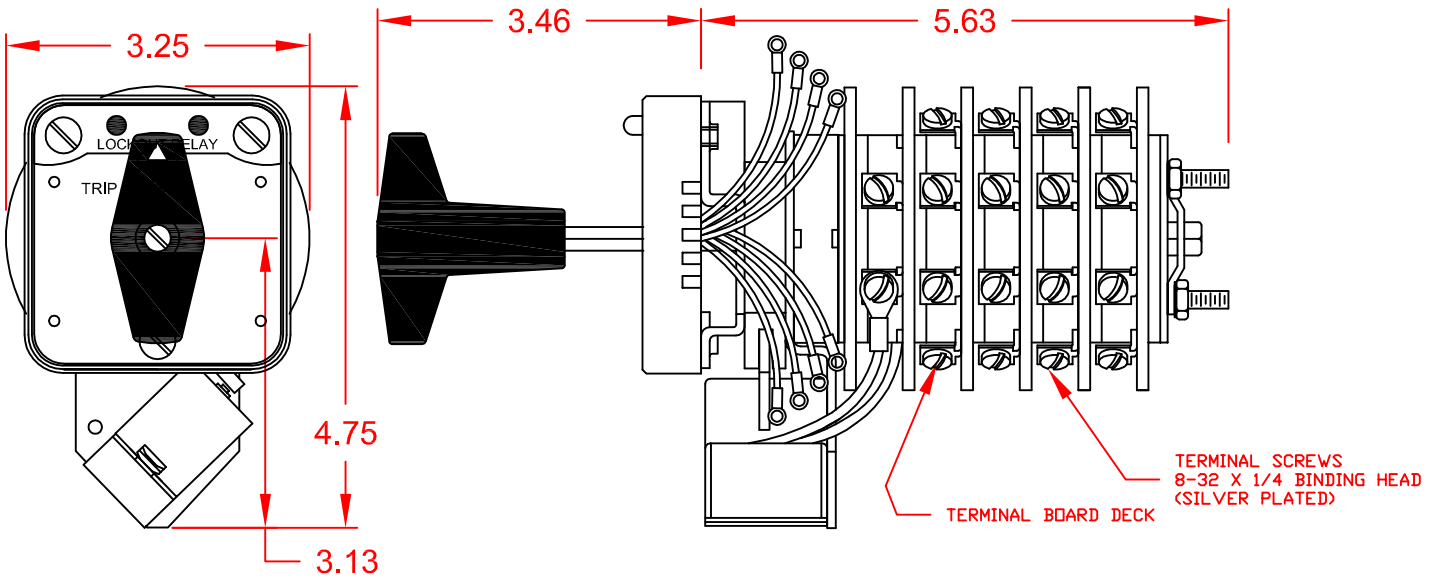


7603D 125VDCCXA



SPECIFICATIONS:

NO. OF POSITIONS: 2, TRIP AND RESET

NO. OF SECTIONS: 3

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/600 VAC 1 A/ 250 VDC

20 A/600 VAC (RESISTIVE)

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

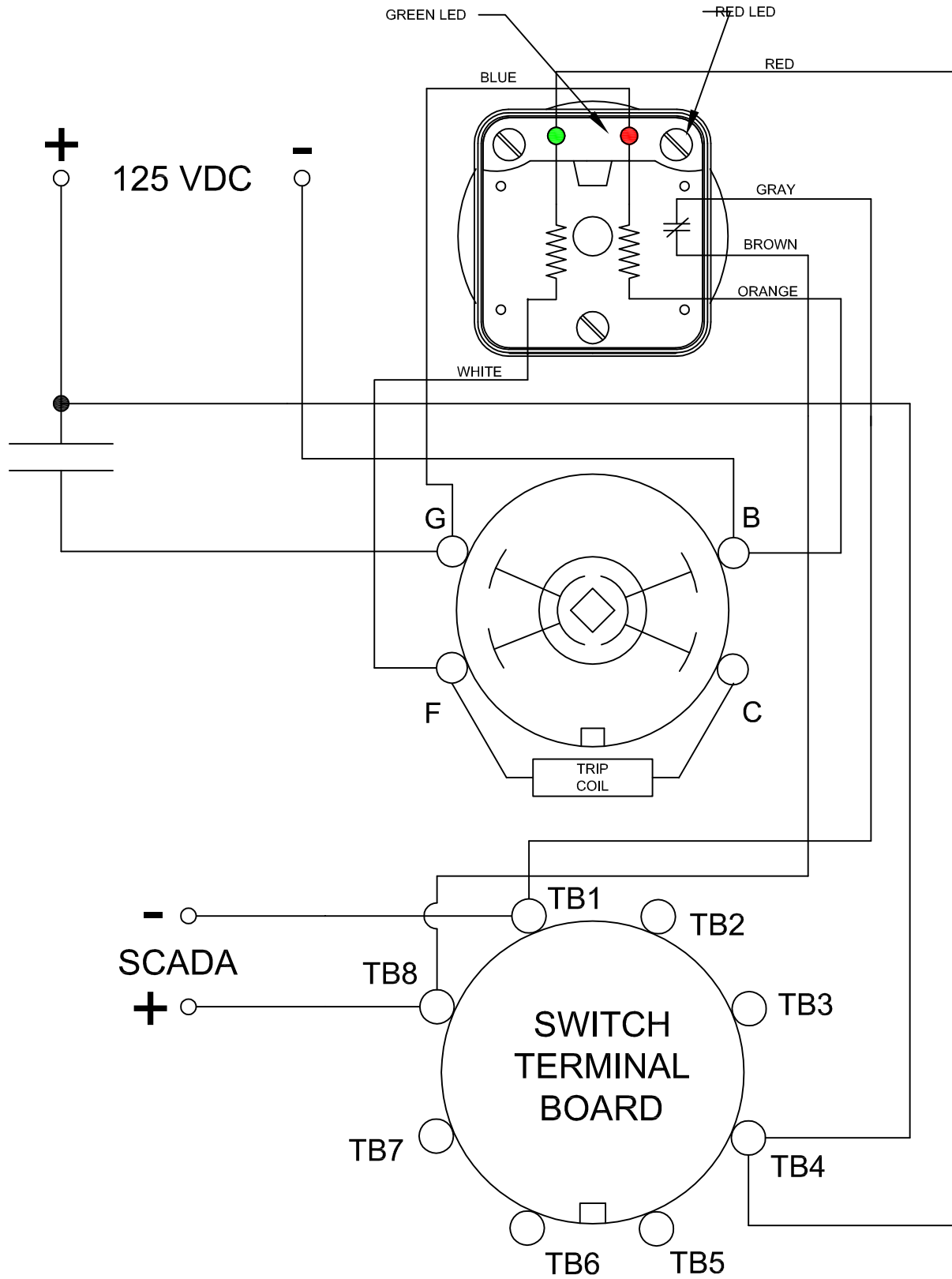
| DECK | CONTACTS | POSITION | |
|------|-----------------|----------|-------|
| | | TRIP | RESET |
| 1 | 11 — — — — — 13 | | X |
| | 12 — — — — — 18 | X | |
| | 15 — — — — — 17 | | X |
| | 16 — — — — — 14 | X | |
| 2 | 21 — — — — — 23 | | X |
| | 22 — — — — — 28 | X | |
| | 25 — — — — — 27 | | X |
| 3 | 26 — — — — — 24 | X | |
| | 31 — — — — — 33 | | X |
| | 32 — — — — — 38 | X | |
| | 35 — — — — — 37 | | X |
| | 36 — — — — — 34 | X | |

DESCRIPTION

7603D 125VDCCXA

REV A

7603D 125VDCCXA



DESCRIPTION

7603D 125VDCCXA

REV A

7603D 125VDCCXA

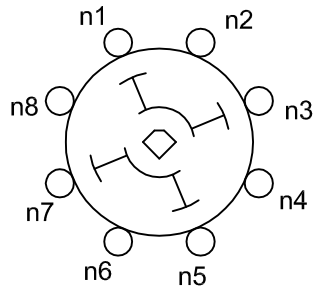
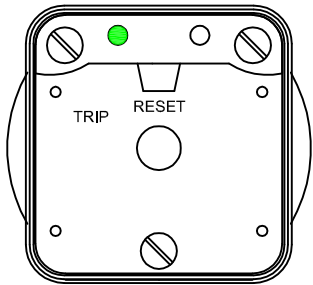
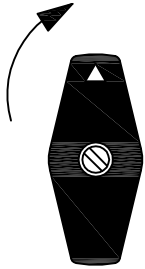
LOCK-OUT RELAYS (LOR)

GENERAL OPERATION:

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

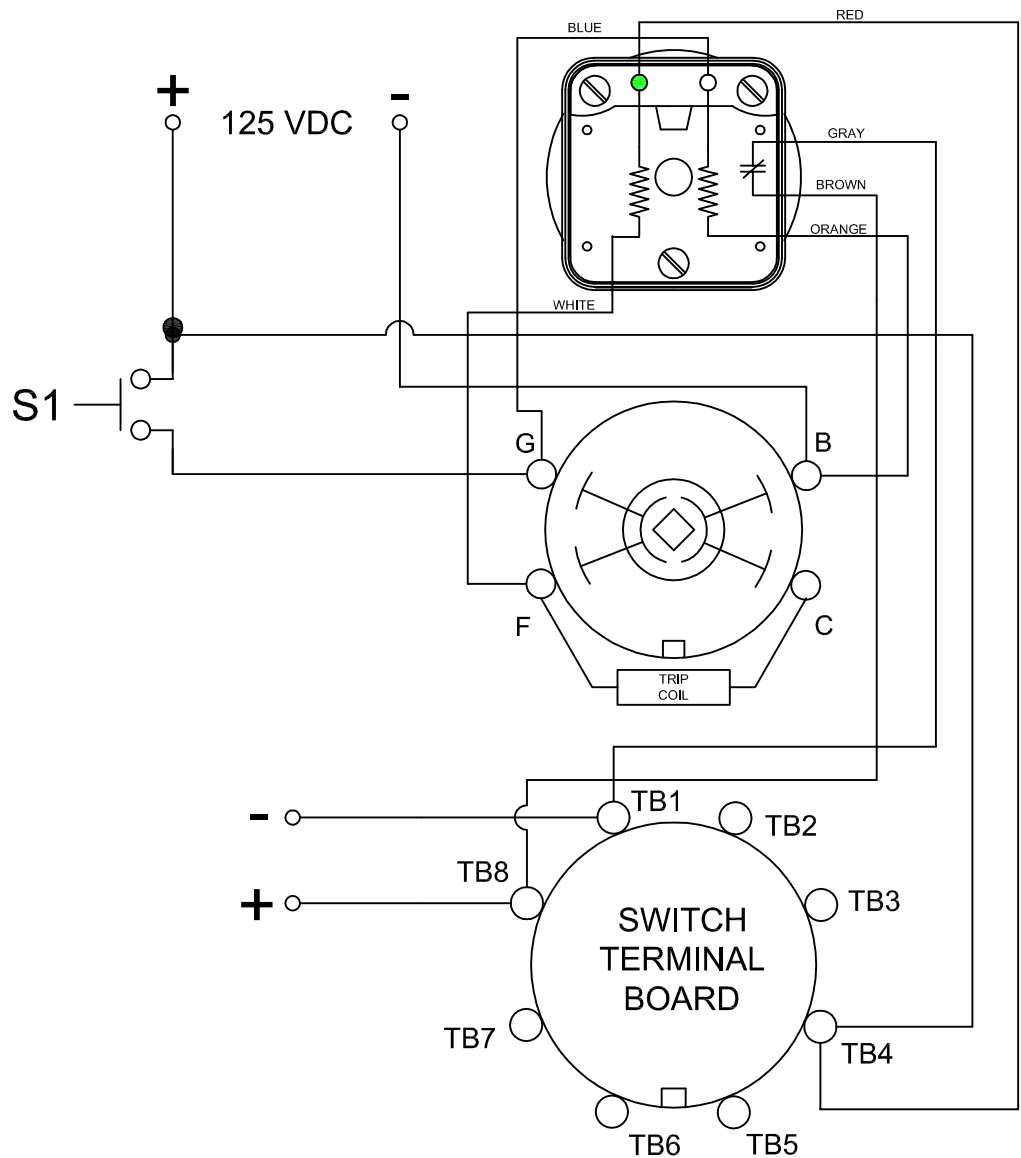
| CONDITION #1 | |
|---------------|------------------|
| ROTOR | RESET (AS SHOWN) |
| SWITCH 1 (S1) | OPEN |

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



CONTACT DECK(S)

FIGURE A - RESET POSITION



DESCRIPTION

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REV A

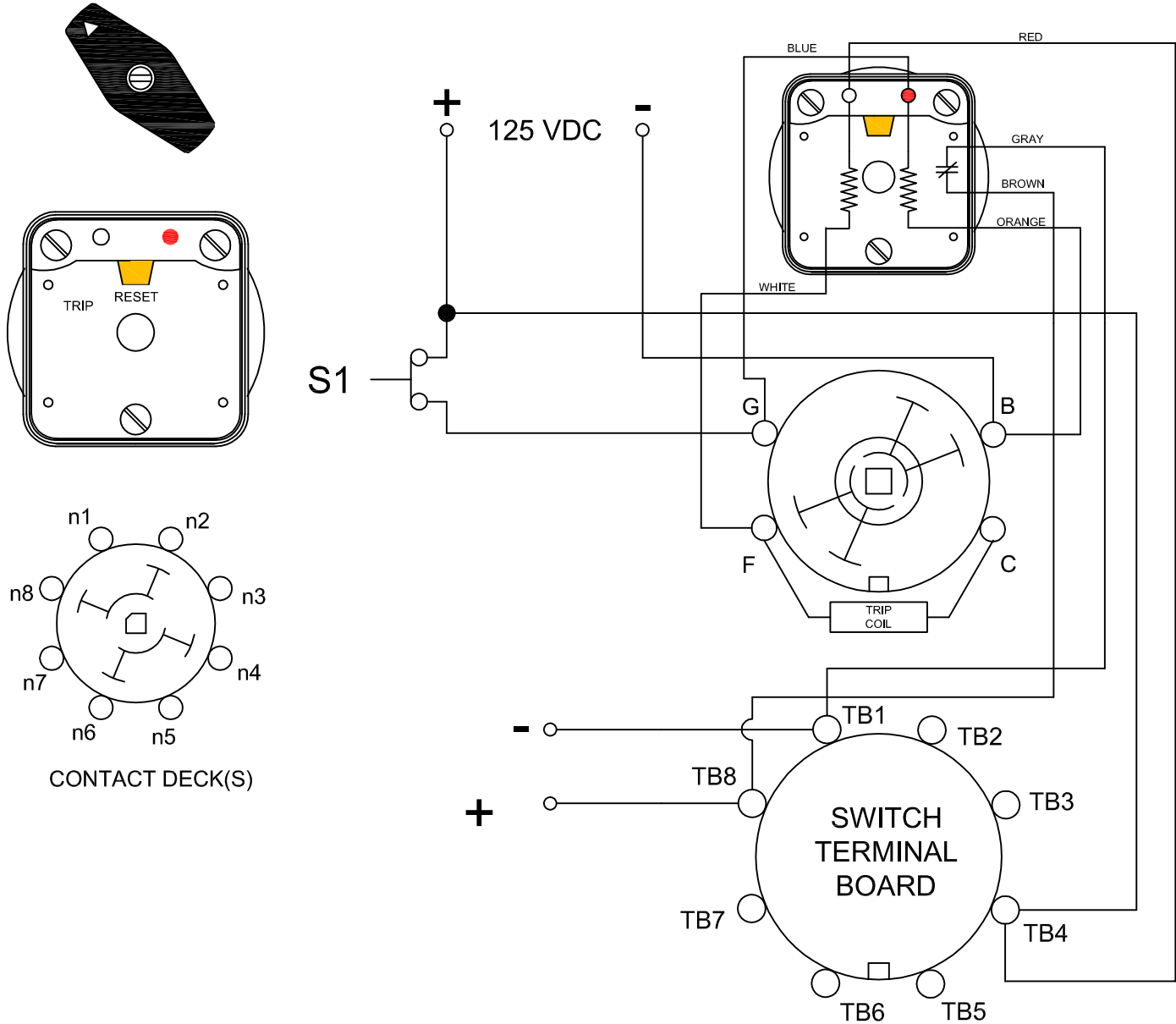
7603D 125VDCCXA

| CONDITION #2 | |
|---------------|------------------|
| ROTOR | RESET (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



DESCRIPTION

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REV A

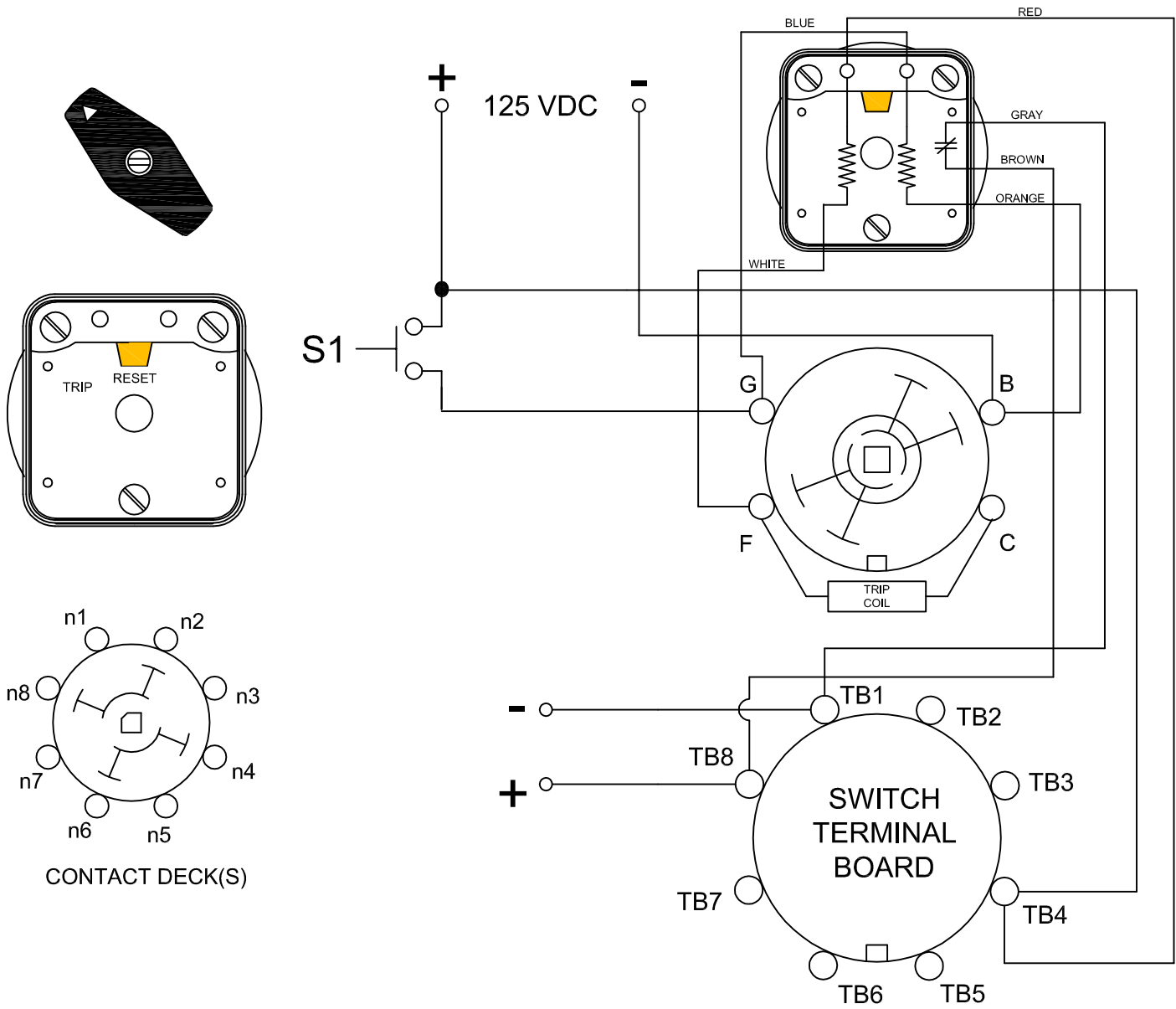
7603D 125VDCCXA

| CONDITION #2 | |
|---------------|------------------|
| ROTOR | RESET (AS SHOWN) |
| SWITCH 1 (S1) | OPEN |

| RESULT | |
|--------------|--------|
| LEFT LED | OFF |
| RIGHT LED | OFF |
| 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



DESCRIPTION

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REV A