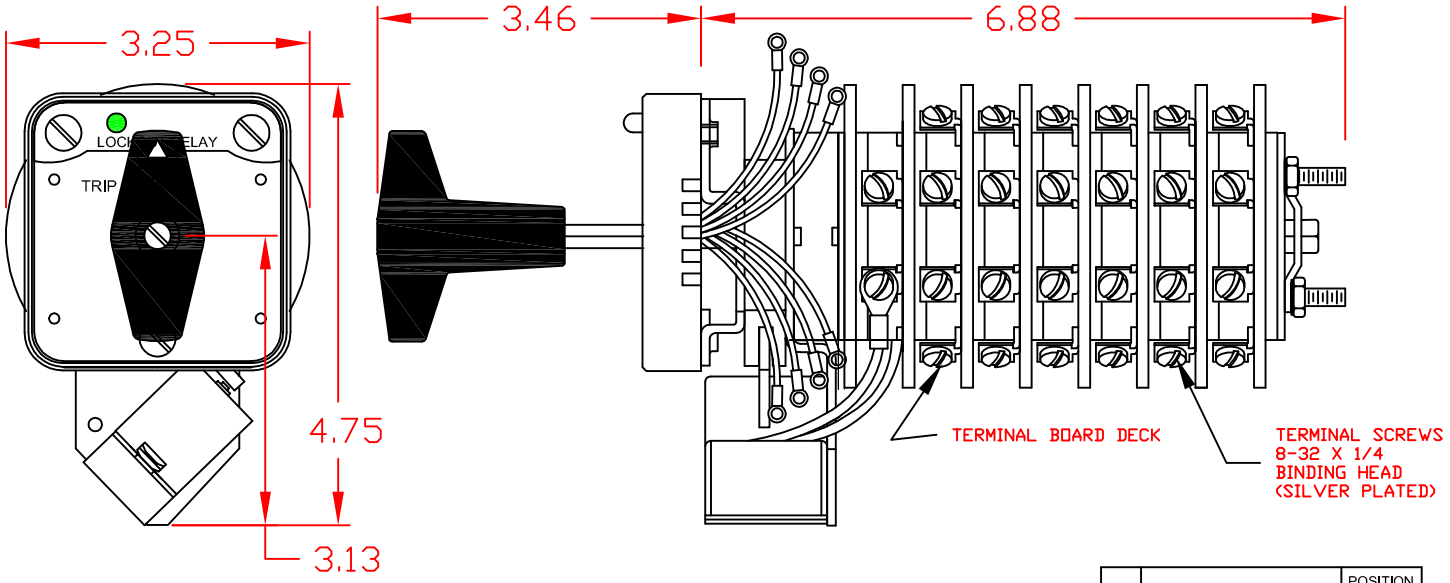
# 7605D 125VDCCXX

SHALLCO




SPECIFICATIONS:
NO. OF POSITIONS: 2, TRIP AND RESET
NO. OF SECTIONS: 5
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

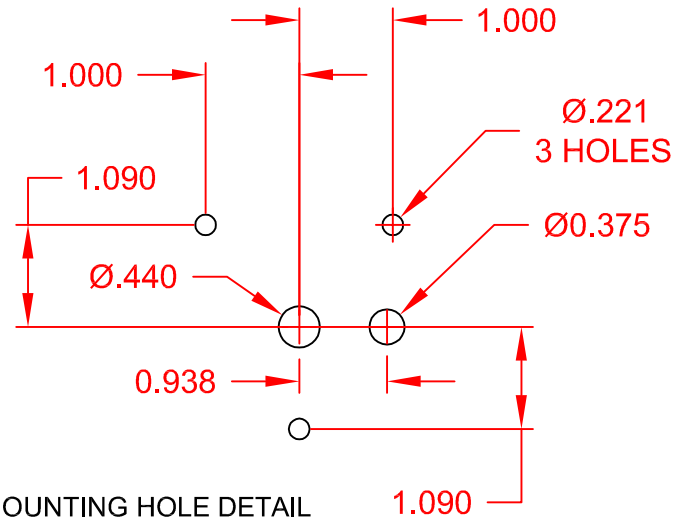
OVERLOAD CURRENT (50 OPERATIONS):
95 A/120 VAC
65 A/240 VAC
35 A/600 VAC

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




MOUNTING HOLE DETAIL

DESCRIPTION
7605D 125VDCCXX
REV. -

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

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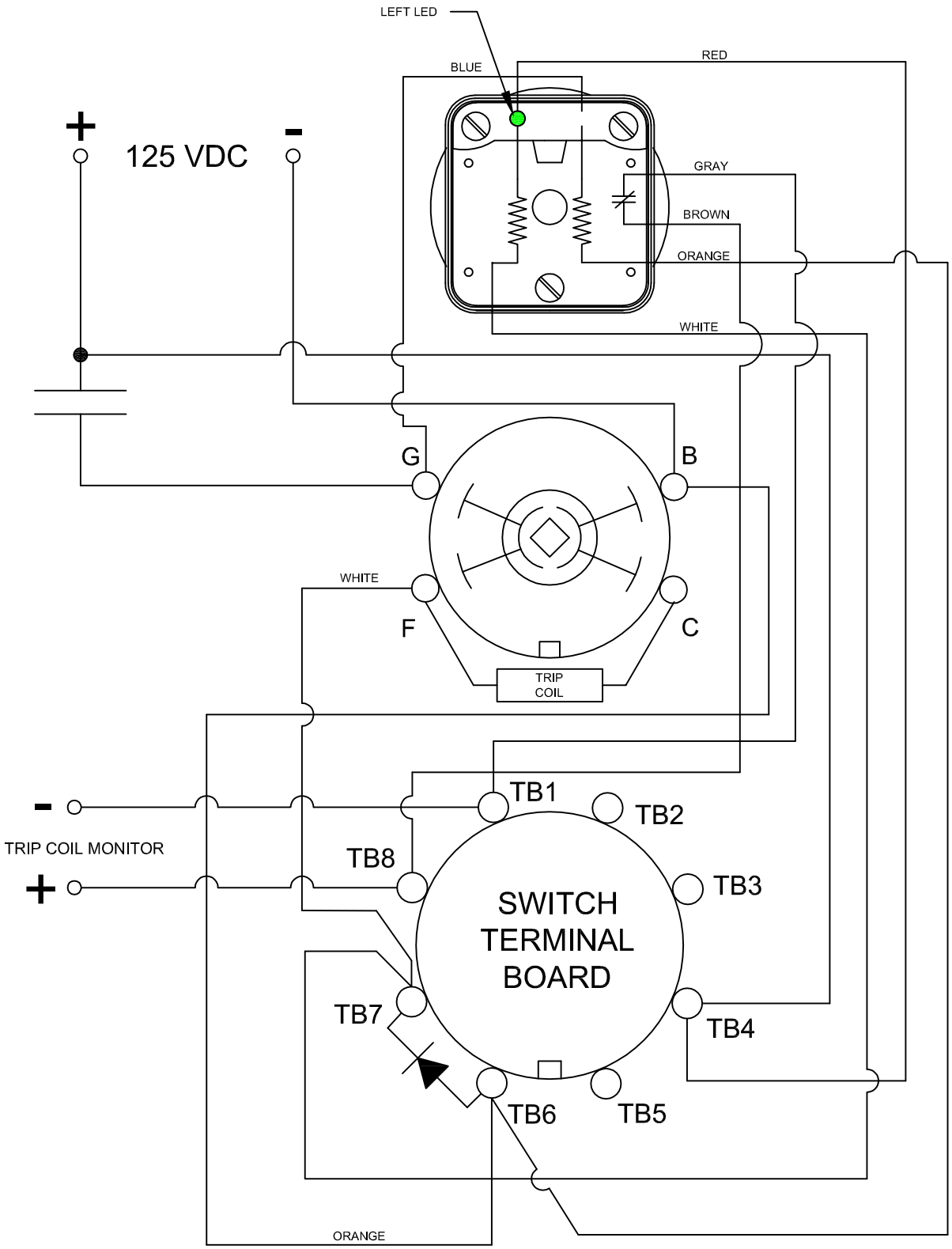


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LOCK-OUT RELAYS (LOR)

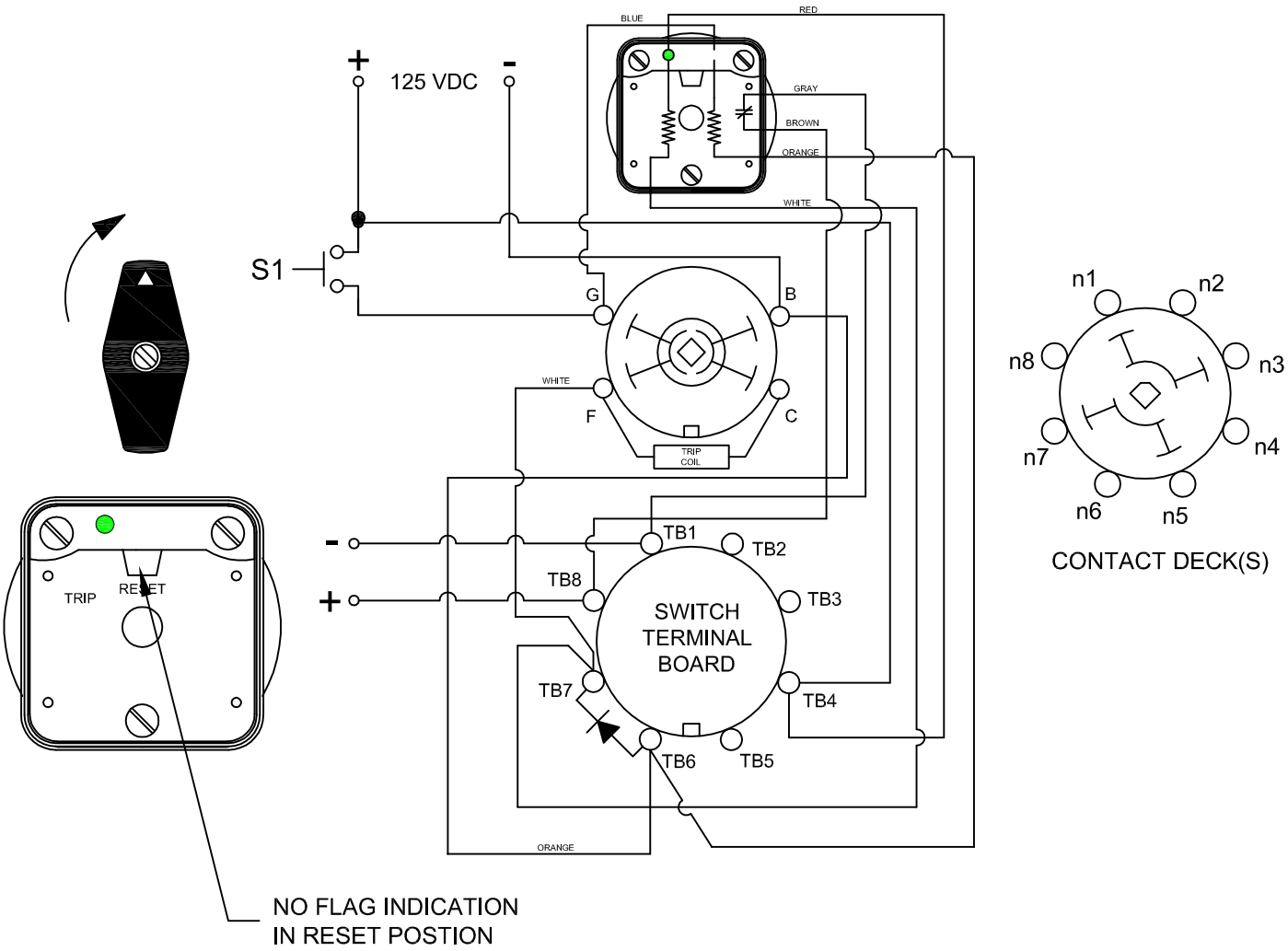
GENERAL OPERATION:

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







CONTACT DECK(S)

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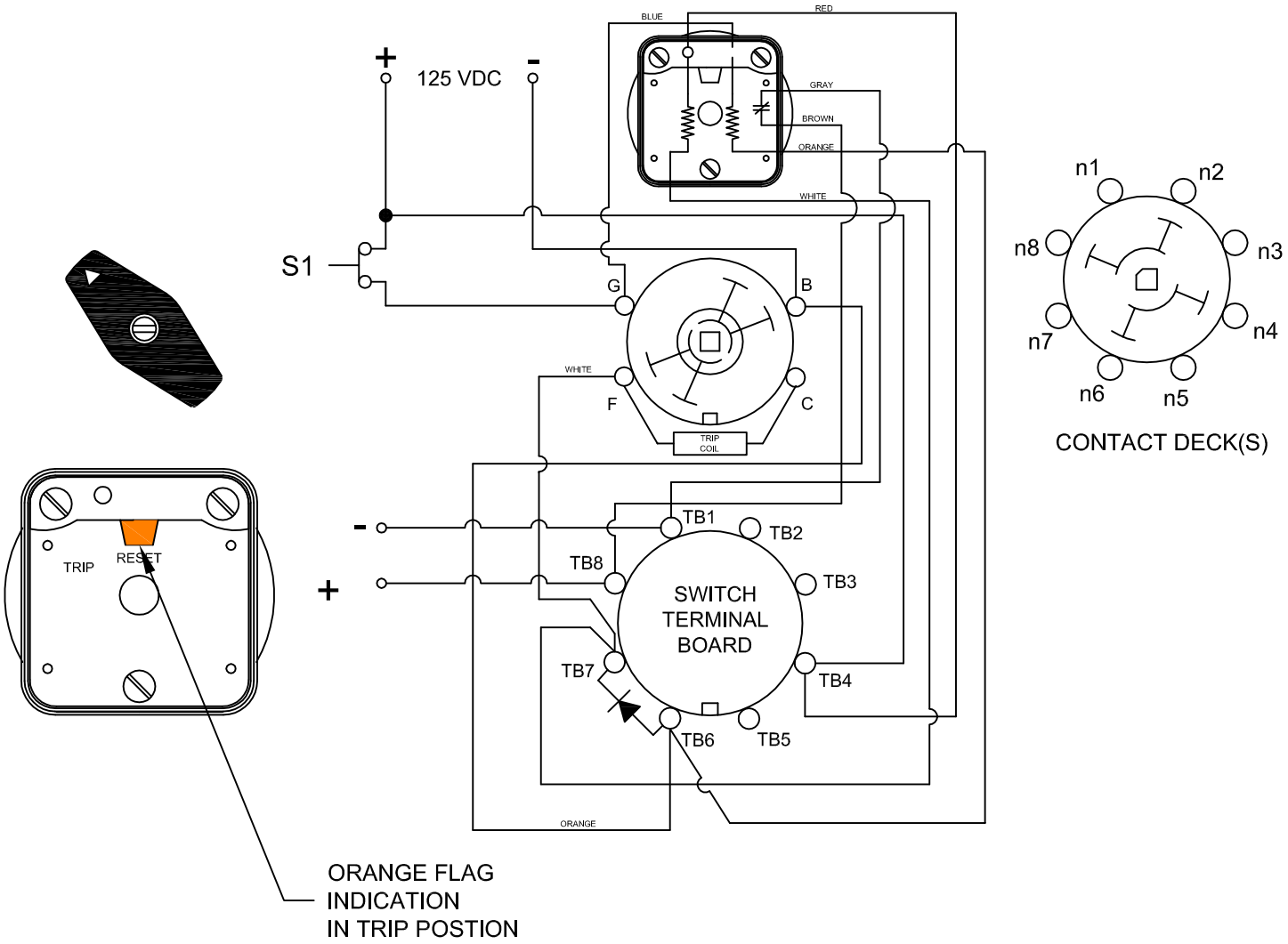
| CONDITION #2 | |
|---|---|
| ROTOR | TRIP(AS SHOWN) |
| SWITCH 1 (S1) | CLOSED |

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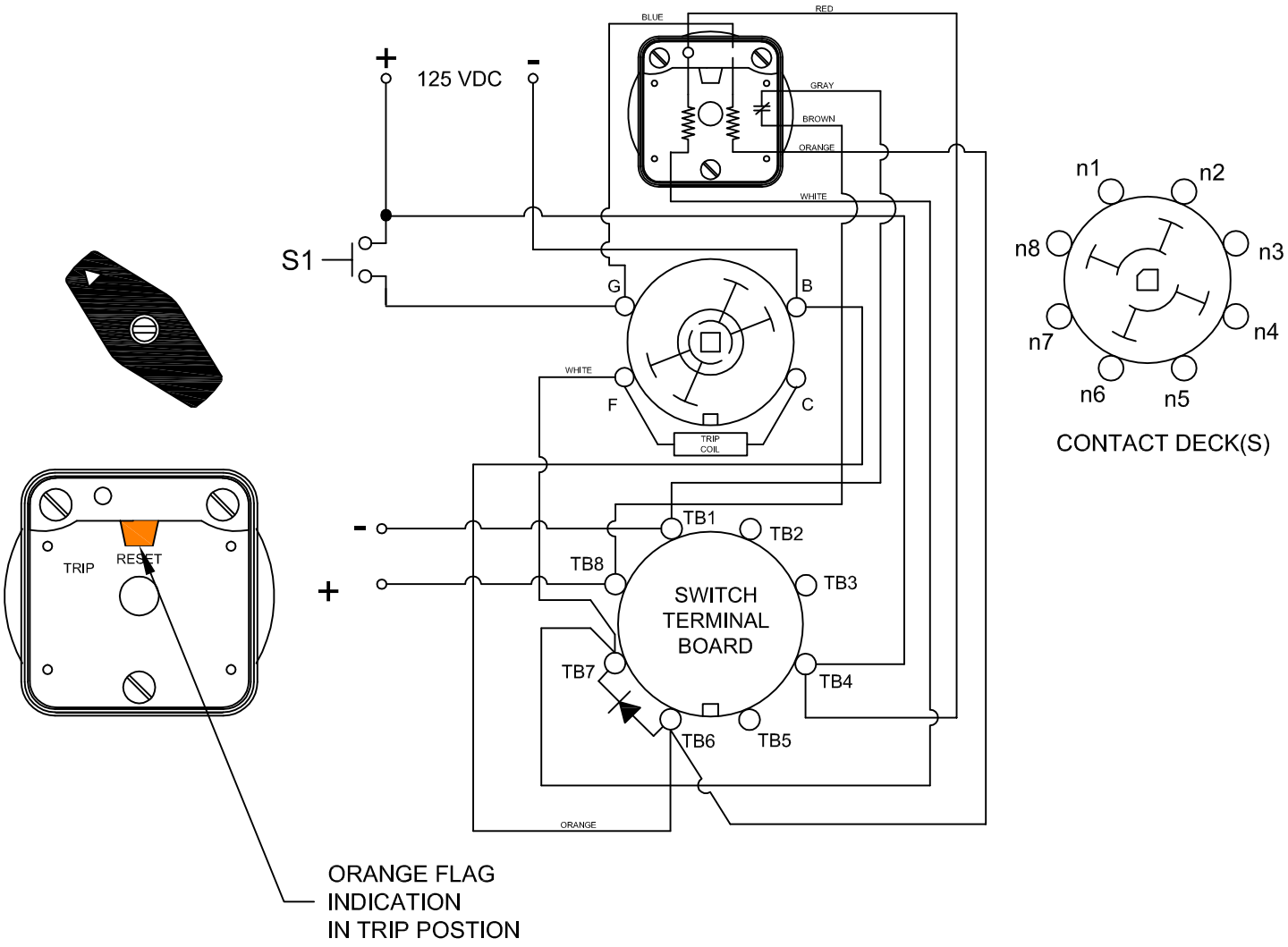
| CONDITION #2 | |
|---|---|
| ROTOR | TRIP (AS SHOWN) |
| SWITCH 1 (S1) | OPEN |

| 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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