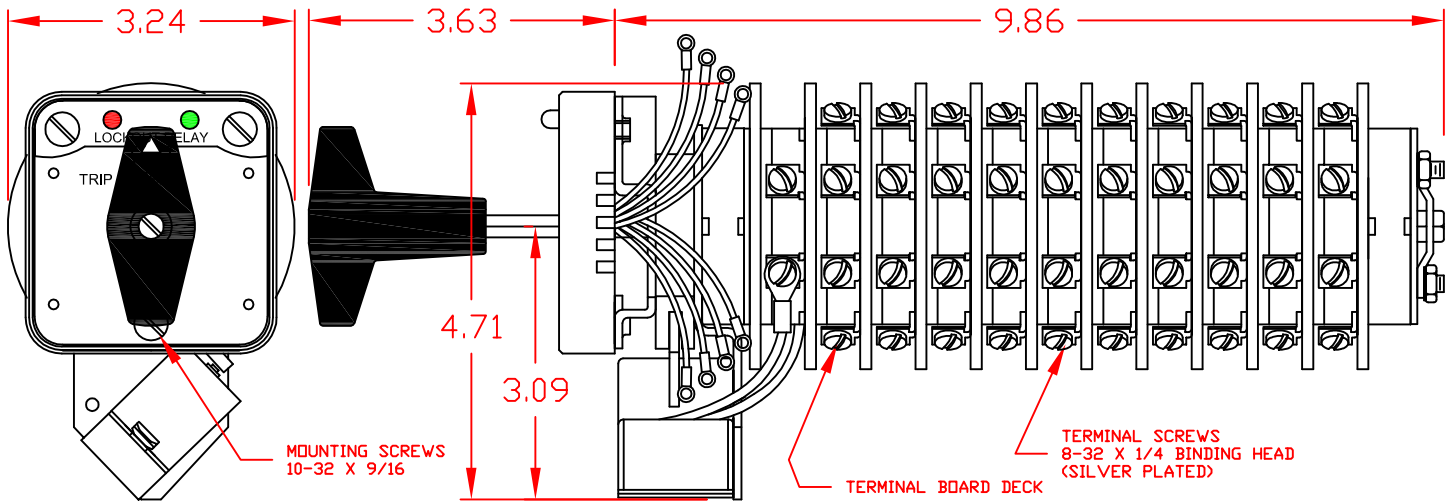


# 7609D 125VDCAXC



**SPECIFICATIONS:**

NO. OF POSITIONS: 2, TRIP AND RESET

NO. OF SECTIONS: 9 (ACTIVE)

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

THRESHOLD VOLTAGE: 16 VDC

OPERATING RANGE: 30 - 140 VDC

CURRENT AT RATED VOLTAGE: 4.6



**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:**

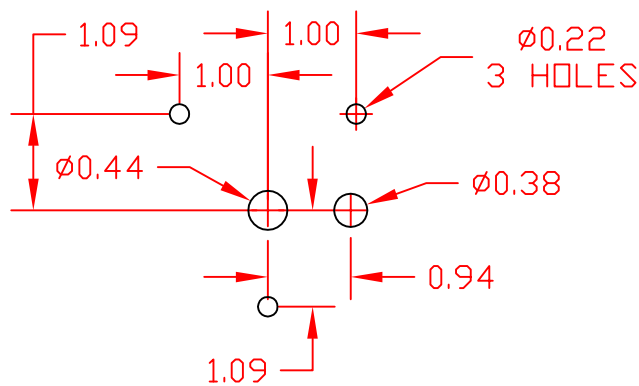
100 MEGOHMS INITIAL

**CONTACT RESISTANCE:**

10 MILLIOHMS MAX. INITIAL

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

**MOUNTING HOLE DETAIL**



DECK	CONTACTS		POSITION	
	TRIP	RESET	TRIP	RESET
1	11	13		
	12	18		
	15	17		
	16	14		
2	21	23		
	22	28		
	25	27		
3	26	24		
	31	33		
	32	38		
4	35	37		
	36	34		
	41	43		
5	42	48		
	45	47		
	46	44		
6	51	53		
	52	58		
	55	57		
7	56	54		
	61	63		
	62	68		
8	65	67		
	66	64		
	71	73		
8	72	78		
	75	77		
	76	74		
8	81	83		
	82	88		
	85	87		
8	86	84		
	81	83		
	82	88		
8	85	87		
	86	84		

PART NUMBER:

7609D 125VDCAXC



308 COMPONENTS DRIVE  
SMITHFIELD, NC 27577 USA

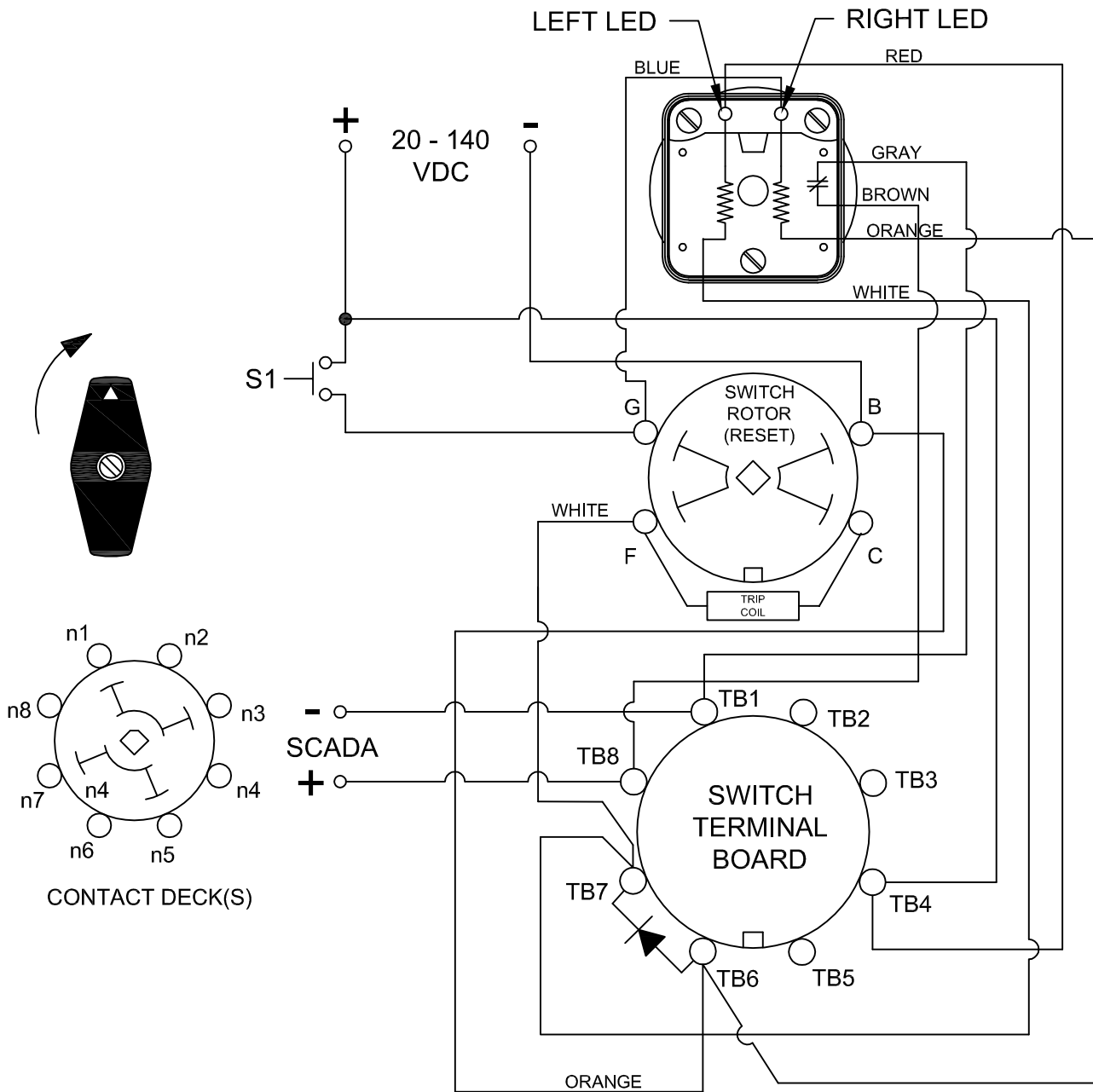


# 7609D 125VDCAXC

## LED INDICATION

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

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



PART NUMBER:

7609D 125VDCAXC

**SHALLCO**  
AN ISO 9001 COMPANY

308 COMPONENTS DRIVE  
SMITHFIELD, NC 27577 USA

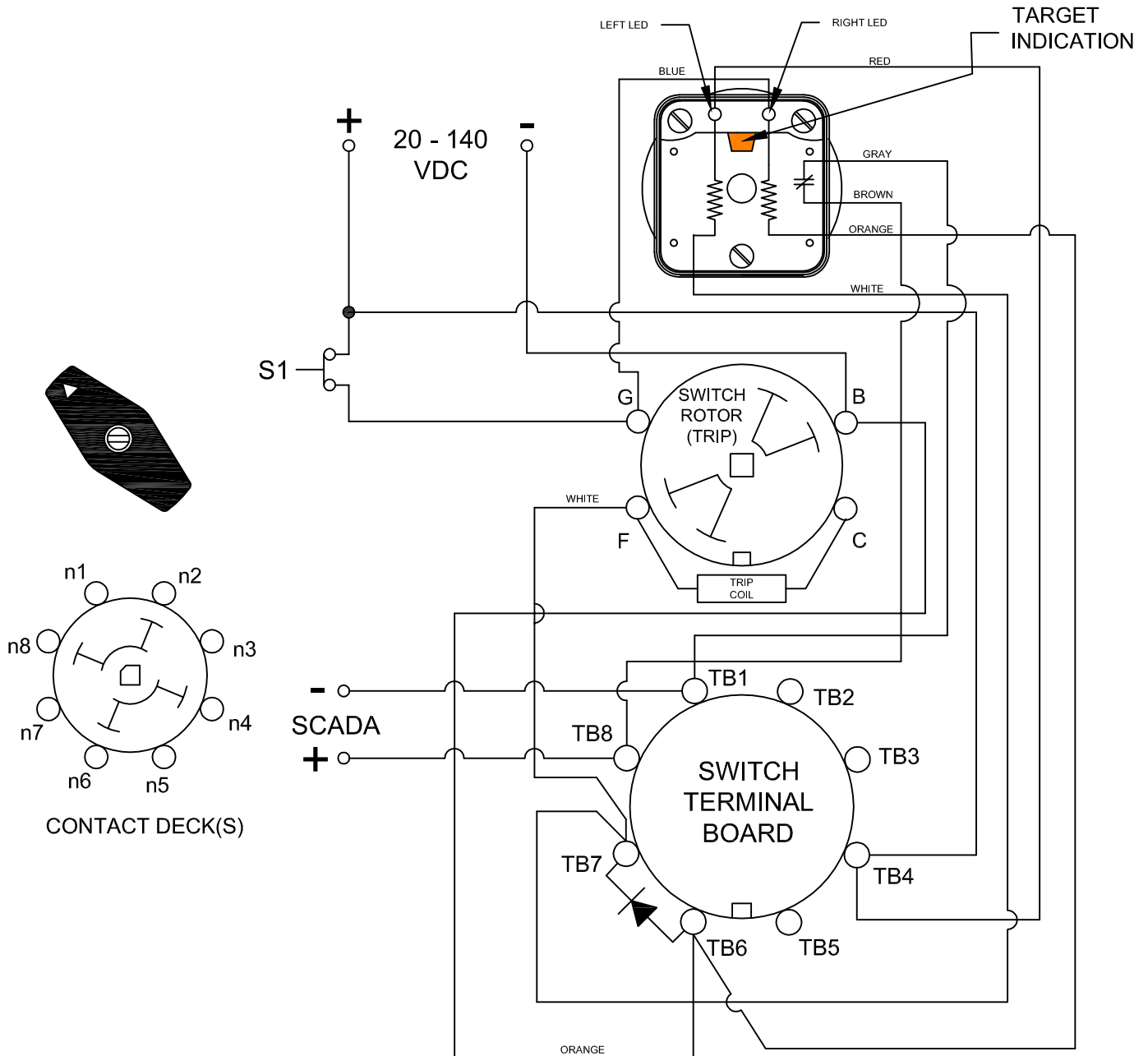
# 7609D 125VDCAXC

## LED INDICATION

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

RESULT	
LEFT LED	OFF
RIGHT LED	ON
SCADA SWITCH	CLOSED

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



PART NUMBER:

7609D 125VDCAXC

**SHALLCO**  
AN ISO 9001 COMPANY

308 COMPONENTS DRIVE  
SMITHFIELD, NC 27577 USA

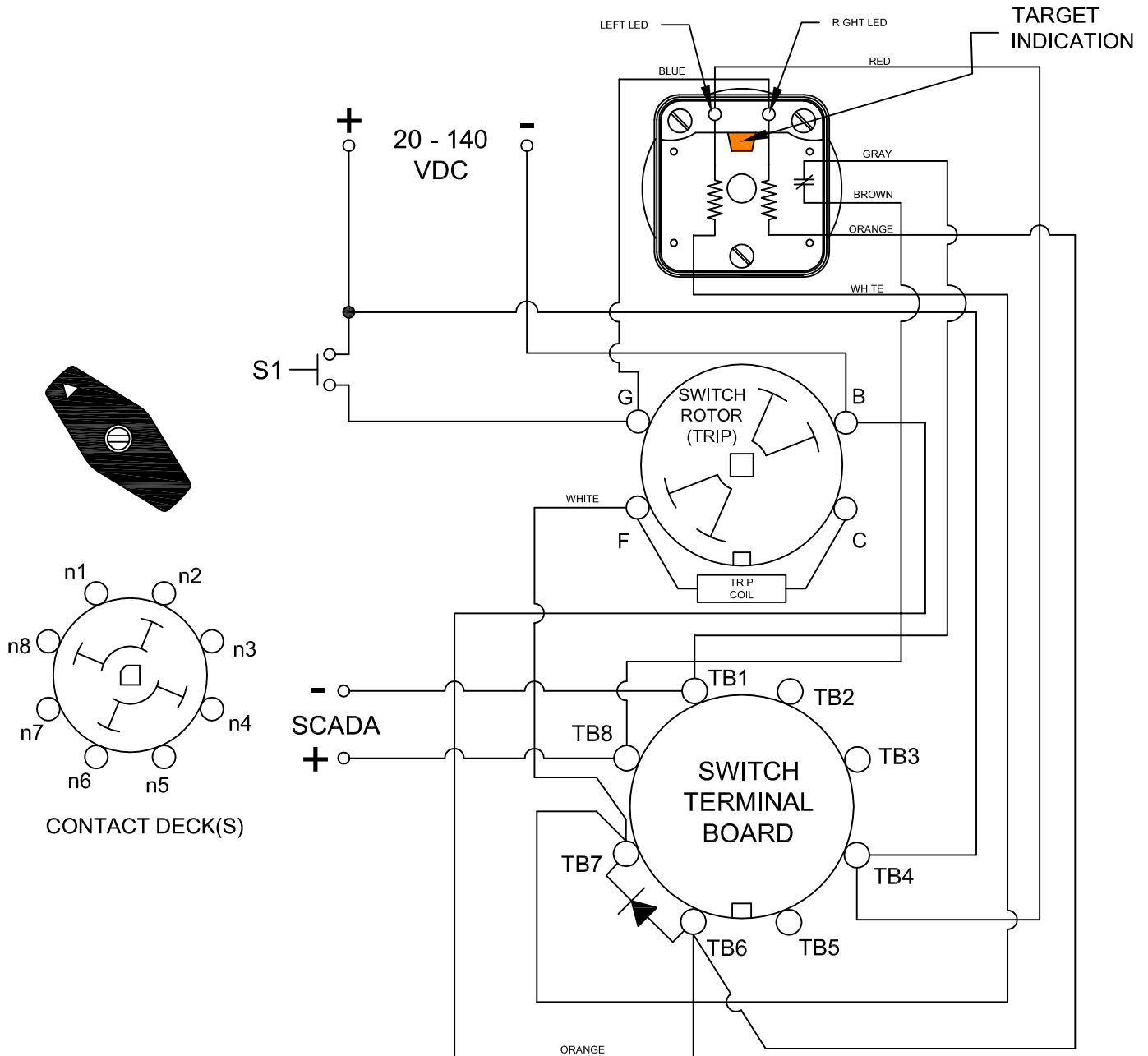
# 7609D 125VDCAXC

## LED INDICATION

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

RESULT	
LEFT LED	OFF
RIGHT LED	OFF
SCADA SWITCH	CLOSED

WHEN S1 OPENS, THE RIGHT LED WILL GO OFF. THE LEFT LED WILL REMAIN OFF UNTIL THE LOR IS MANUALLY ROTATED BACK TO THE "RESET" POSITION



PART NUMBER:

7609D 125VDCAXC

**SHALLCO**  
AN ISO 9001 COMPANY

308 COMPONENTS DRIVE  
SMITHFIELD, NC 27577 USA