

1. AVAILABLE OPTIONS FOR MODEL 6325 COAXIAL RELAY

**RC54A6325**

SWITCH TYPE	COAXIAL CONNECTOR	ACTUATOR TYPE	ACTUATOR VOLTAGE	AUXILIARY CONTACTS
RC54A	H - LC J - LT	2 - LATCHING, NON-SELF DEENERGIZING	4 - 26.5VDC	A - SINGLE POLE, DOUBLE THROW B - DOUBLE POLE, DOUBLE THROW C - 3 POLE, DOUBLE THROW

2. ELECTRICAL CHARACTERISTICS

2.1 COAXIAL VACUUM SWITCH: TYPICAL VALUES

2.1.1 CONTACT CONFIGURATION: 4 POLE TRANSFER

2.1.2 FREQUENCY RANGE: 0 - 400 MHZ

2.1.3 CHARACTERISTIC IMPEDANCE: 50 OHMS

2.1.4 VSWR: 1.1 TO 1 UP TO 300 MHz  
1.02 TO 1 MAXIMUM @ 30 MC

2.1.5 CROSSTALK: GREATER THAN 53 DB ISOLATION @ 500 MC, GREATER THAN 55 DB @ 600 MC

2.1.6 TIME TO ACTUATE: 30 MILLISECONDS MAXIMUM

2.1.7 INSERTION LOSS: LESS THAN 0.1 DB TO 500 MC

2.1.8 7.5 KW CW AVERAGE @ 30 MC

2.1.9 1.5 KW CW AVERAGE @ 600 MC ) ALL POWER RATINGS ARE FOR A 23°C. RISE ABOVE AN AMBIENT OF 27°C.

2.2 AUXILIARY CONTACTS

2.2.1 CONTACT CONFIGURATION: SPDT-DPDT-3PDT (OPTION)

2.2.2 115/230 VAC - 60 CYCLES - 7 AMPS (RESISTIVE)

2.2.3 28VDC - 7 AMPS (RESISTIVE): 4 AMPS (INDUCTIVE)

2.3 ACTUATOR CHARACTERISTICS (INTERMITTENT DUTY LATCHING TYPE ELECTRICAL/MANUAL)

2.3.1 ACTUATING VOLTAGE: 26.5 VDC

2.3.2 OPENING COIL RESISTANCE: 18.8 OHMS

2.3.3 CLOSING COIL RESISTANCE: 17.9 OHMS

2.3.4 MAXIMUM AVERAGE WATTAGE: 3 WATTS

2.3.5 OPENING COIL INDUCTANCE (OPEN POSITION): 10.2 MILLIHENRIES

2.3.6 CLOSING COIL INDUCTANCE (OPEN POSITION): 11.5 MILLIHENRIES

2.3.7 OPENING COIL INDUCTANCE (CLOSED POSITION): 11.6 MILLIHENRIES

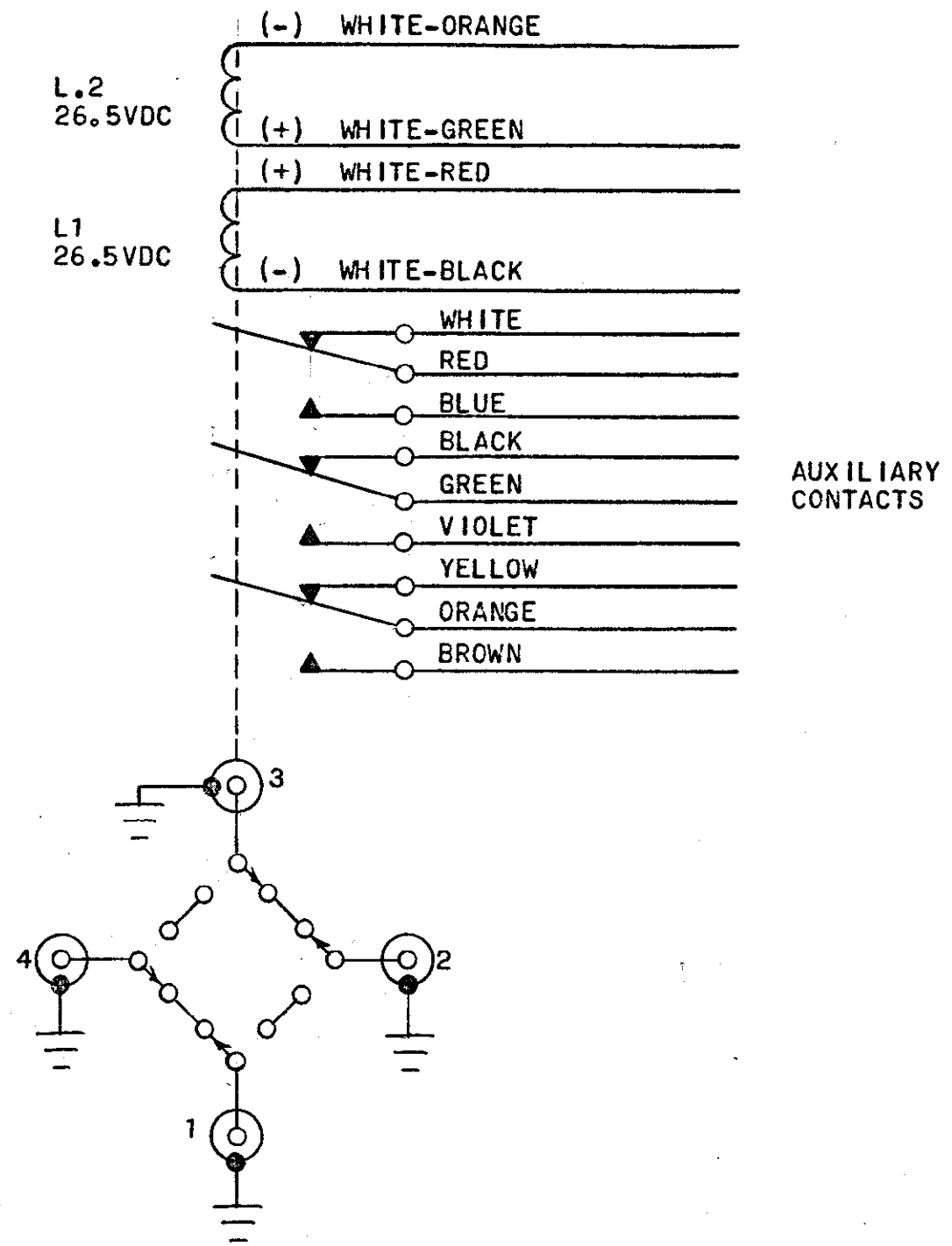
2.3.8 CLOSING COIL INDUCTANCE (CLOSED POSITION): 13.0 MILLIHENRIES

REVISIONS			
LTR	DESCRIPTION	DATE	APPROVAL
A	SHT. 2; AUXILIARY CONTACTS WERE SHOWN REVERSED. SHT. 3; COVER WAS SHOWN IN POSITION #2, TOP MTG. PLATE WAS .375 THICK + 5.25 O.D., .281 DIA. 4 HLS. WAS ON 4.62 B.C. O.L. WAS 6.025 #4-32, 1.47 WAS 1.44 AND ADD #10-32 SCREW THREAD.	4-15-68	<i>TJH</i>
B	RELOCATE .281 DIA. HOLES CONNECTS NUMBERS 1 WAS 2, 2 WAS 3, 3 WAS 4, 4 WAS 1	6-2-69	<i>KIL</i>
C	2.85 WAS 3.12	10-6-69	<i>Al</i>
D	2.1.2 WAS FREQ. RANGE 0-500 MC & 2.1.4 WAS VSWR: 1.1 TO 1 MAX @ 500 MC. (49444)	4-16-70	<i>Yit. Puck</i>
E	2.1.4 VSWR WAS 1.15 TO 1 MAX. @ 400 MHZ; 1.02 TO 1 MAX. @ 30 MC (51536)	3/26/71	<i>KIL</i>
F	BODY VIEW CORRECTED (52985)	1/17/72	<i>TJH</i>
G	CONNECTOR DIM. WAS 1.09 53450	4-3-72	<i>TJH</i>

ITEM NO.	PART NO.	DESCRIPTION	MATERIAL SPECIFICATION	QTY. REQ.
LIST OF MATERIAL				

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON FRACTIONS DECIMALS ANGLES	ORIGINAL DATE	3-11-65		
	DRAFTSMAN	C.HINK.		
	CHECKER	CAB		
	ENGINEERING APPROVAL	<i>W. Miller</i>		
MATERIAL:	SUBMITTED	SIZE	CODE IDENT. NO.	DRAWING NO.
	APPROVAL	B	73905	6325
		SCALE	UNIT WEIGHT	SHEET 1 OF 3

6325

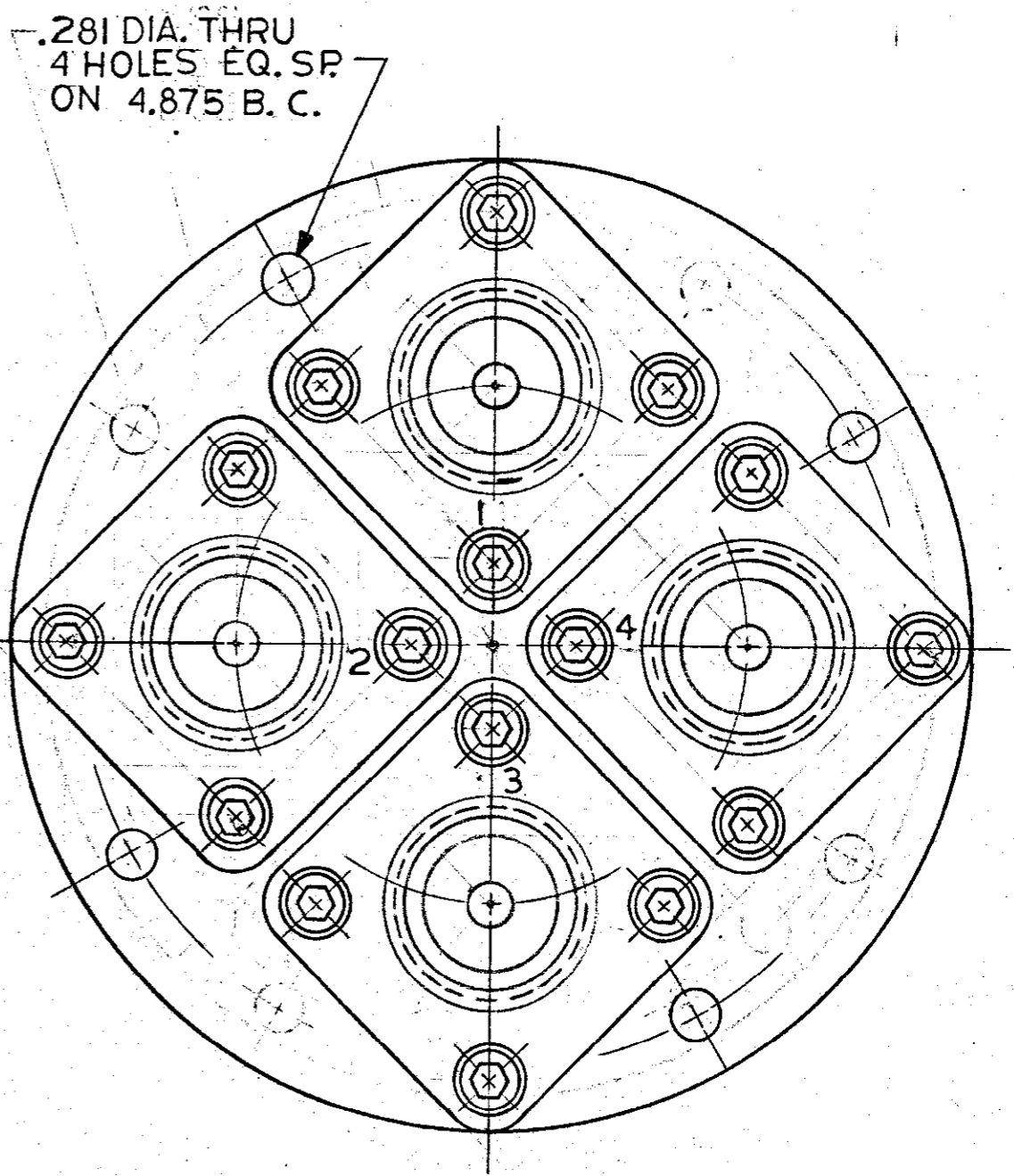
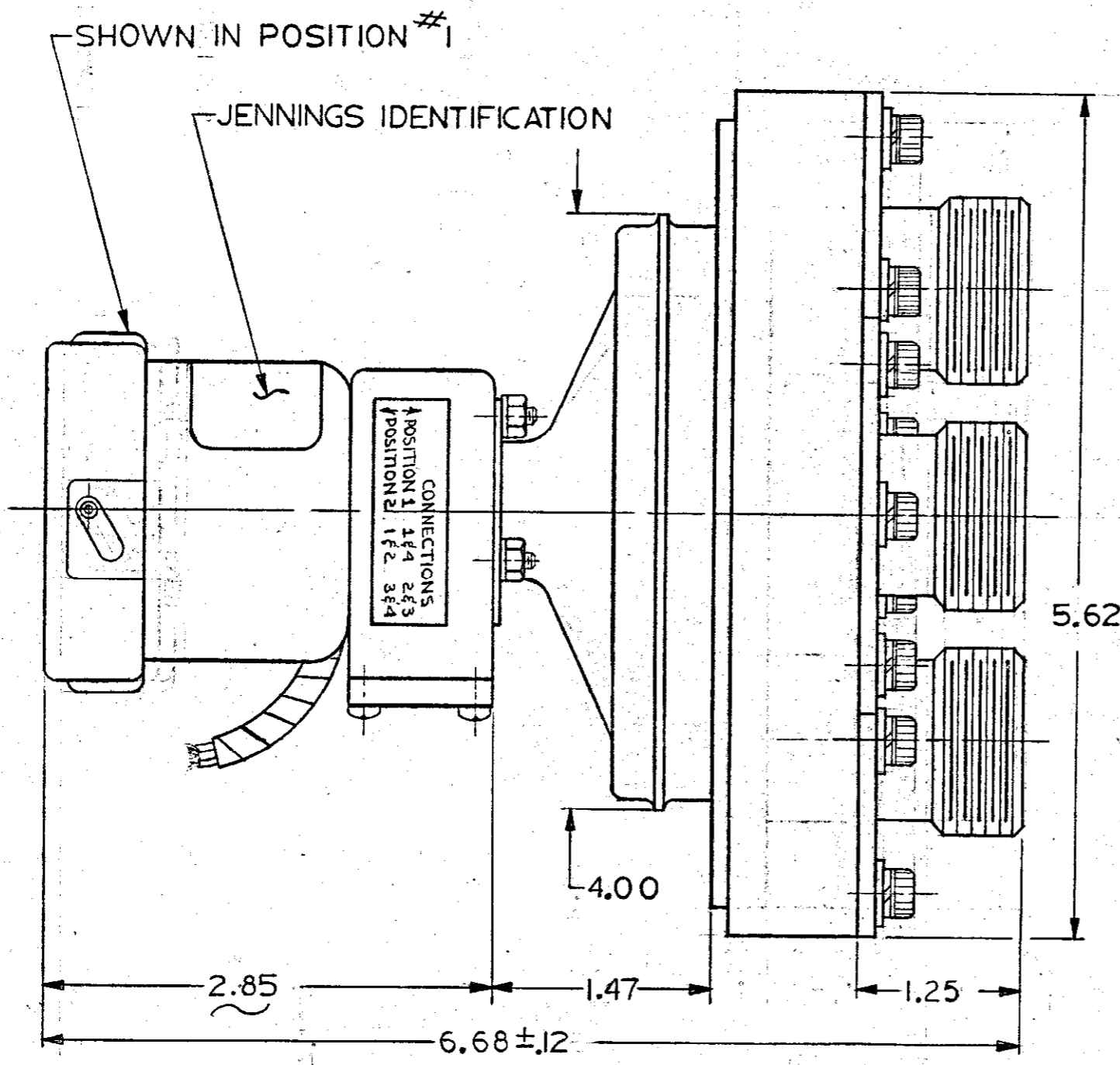


NOTE: POSITION SHOWN INDICATES CONNECTIONS  
 1 TO 4 AND 2 TO 3 WITH L2 ENERGIZED  
 (POSITION 1).

REVERSE POSITION INDICATES CONNECTIONS  
 1 TO 2 AND 3 TO 4 WITH L1 ENERGIZED  
 (POSITION 2).

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCE ON FRACTIONS   DECIMALS   ANGLES —   —   —	CODE IDENT. NO. 73905	SIZE B	DRAWING NO. 6325
	SCALE —	UNIT WEIGHT —	SHEET 2

6325



UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCE ON	CODE IDENT. NO.	SIZE	DRAWING NO.
	73905	B	6325
x = ± 0.1 xx = ± 0.030 xxx = ± 0.010	DECIMALS	SCALE 1/1	UNIT WEIGHT —
			SHEET 3

6325