

PART NO. 6752-13-5 SHOWN

PERFORMANCE CHARACTERISTICS
TESTED TO AND MEETS REQUIREMENTS OF MIL-C-27715 (USAF)

1. <u>CALIBRATION</u>	AMBIENT	MIN. ULT.	MAX. ULT.	200 %	400 %	1000 %	3000 %
	<u>TEMPERATURE</u>	TRIP	TRIP	SEE TABLE BELOW			
	-55 °F	110 %	150 %	VALUES FOR -55°F TO 200°F			
	77 °F	110 %	138 %				
	200 °F	105 %	138 %				
	250 °F	100 %	138 %				
2. <u>RUPTURE</u>	120 VAC	400 CYCLE	6,000 AMPS				
	205 VAC	400 CYCLE	4,200 AMPS				
	30VDC		6,000 AMPS				
3. <u>DURABILITY</u>	120 VAC	400 CYCLE					
	MECHANICAL	(NO LOAD)	10,000 CYCLES				
	RESISTIVE LOAD		5,000 CYCLES				
	INDUCTIVE LOAD		5,000 CYCLES				
	TOTAL		20,000 CYCLES				
4. <u>VOLTAGE DROP WHILE CARRYING RATED CURRENT</u>	AMP RATING	MAXIMUM VOLTAGE DROP					
	2.5	0.6 V					
	5	0.4 V					
	7.5	0.3 V					
	ALL OTHERS	0.25 V					
5. <u>VIBRATION</u>	FREQUENCY	G LEVEL					
	5 -- 10 CPS	0.2 DOUBLE AMPLITUDE					
	10 -- 23 CPS	± 1 G					
	23 -- 74 CPS	0.036 DOUBLE AMPLITUDE					
	74 -- 300 CPS	± 10 G					
	300--600 CPS	± 15 G					
	600--700 CPS	± 14 G					
	700-1500 CPS	± 10 G					
6. <u>COORDINATION</u>	BETWEEN RATINGS						
	2.5 -- 5						
	5 -- 10						
	7.5 -- 15						
	10 -- 20						
	15 -- 35						
7. <u>OPERATING FORCE</u>	OPENING: 15 LBS.-- 30 LBS.						
	CLOSING: 40 LBS.-- 12 LBS.						
8. <u>DIELECTRIC STRENGTH</u>	1500 VAC, RMS.						
9. <u>INSULATION RESISTANCE</u>	100 MEGOHMS AT 500 VDC.						
10. <u>EXPLOSION PROOF</u>	WHILE INTERRUPTING RUPTURE CURRENTS.						
11. <u>HUMIDITY</u>	240 HOURS						
12. <u>CORROSION RESISTANCE</u>	50 HOURS						
13. <u>SAND AND DUST</u>	12 HOURS						
14. <u>MECHANICAL SHOCK</u>	25 G FOR 11 ±4 MILLISECONDS.						
15. <u>OVERLOAD CYCLING</u>	100 CYCLES AT 200% RATED CURRENT.						
16. <u>MUNGUS RESISTANCE</u>	28 DAYS						
17. <u>STRENGTH OF TERMINALS</u>	25 LB. TENSILE LOAD, 20IN.-LB. TORQUE LOAD.						
18. <u>STRENGTH OF MOUNTING PROVISIONS</u>	30LB. AXIAL LOAD, 10IN.-LB. TORQUE LOAD.						
19. <u>STRENGTH OF ACTUATOR</u>	25 LB. AXIAL LOAD, 40LB NORMAL LOAD.						
20. <u>ACCELERATION</u>	10 G'S FOR 1 MINUTE.						
21. <u>RE-CLOSING</u>	NO AUTOMATIC RECLOSE.						
22. <u>TRIP FREE</u>	RESETTABLE ONLY AFTER MOVING THE ACTUATOR TO						
23. <u>INDICATING CONTACT RATING</u>	THE FULL OPEN POSITION.						
28VDC	7 AMPS RESISTIVE						
	4 AMPS INDUCTIVE (SEA LEVEL)						
	2.5 AMPS INDUCTIVE AT 50,000 FT.						
	115/230 VAC 60 CYCLES 7AMPS RESISTIVE & INDUCTIVE						

REVISONS				
LTR	ZONE		DATE	APPROVED
C	1	KEDRAWAN & REVISED SEE CN 2121-63 SUPERSEDES 6752-13 REV B CR 8948	2-21-63	<i>DFP</i>
D	1	PART NO. WAS G752-13-30 CR 1392	1-29-64	<i>Wm</i>
E	1	1. P. 22A11 WAS 2552-13-30 2. P. 22A11 WAS 2552-13-30 2. 2552-13-30 2. 2552-13-30 CR 8948	1-29-64	<i>B</i>
F	1	SEE C.A.L.	CR 58304	8-16-75
G		.187 REC WAS 200 CR 585655	CR	11-14-78
H	B3	DEL. "CASE COLOR RED..." SECN. CRM08719	CR	4-19-82
J	C3	SEE D.C.N.	CRM21977	10-30-95

THIS DRAWING TAKES PRECEDENCE OVER MIL-C-27715 (USAF)

PART NUMBER	AMP RATING	CALIBRATION IN SECONDS--65°F TO 200°F			
		200%	400%	1000%	3000%
6752-13 - 2½	2.5	10 - 40	2.3 - 6.5	32 - 11	04 - 16
6752-13 - 5	5	11 - 45	2.5 - 6.5	45 - 11	06 - 13
6752-13 - 7½	7.5	12 - 50	2.5 - 7.0	34 - 11	04 - 12
6752-13 - 10	10	14 - 52	2.7 - 7.8	45 - 1.2	05 - 13
6752-13 - 15	15	15 - 55	2.7 - 8.0	36 - 12	04 - 13
6752-13 - 20	20	16 - 57	2.8 - 8.0	37 - 12	05 - 12
6752-13 - 25	25	17 - 59	2.9 - 9.5	38 - 1.2	05 - 12
6752-13 - 35	35	18 - 62	3.0 - 8.0	39 - 1.2	05 - 12
6752-13 - 50	50	20 - 65	3.1 - 10.0	40 - 1.4	

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS DECIMALS ANGLES

MATERIAL

BY	<i>John Horan</i>	DATE	<i>1/21/63</i>
CH	<i>Al. Genest</i>		
ENG	<i>Doug Post</i>		<i>2-27-63</i>
APPROVED	<i>Doug Post</i>		

KLIXON SPENCER PRODUCTS	METALS & CONTROLS INC. ATTLEBORO, MASSACHUSETTS, U.S.A. A CORPORATE DIVISION OF TEXAS INSTRUMENTS INCORPORATED
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6752-13 TYPE
PUSH PULL CIRCUIT BREAKER
ENVELOPE DRAWING

CODE IDENT NO.	SIZE	6752-13	
82647	D		
SCALE FULL	WT ACT	.2LBS. MAX.	SHEET 1 OF 1