



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

1. CALIBRATION	AMBIENT TEMPERATURE		200%	400%	1000%	3000%
	MIN. TRIP	MAX. TRIP				
	-65°F	110%				
	77°F	110%				
	200°F	105%				
	250°F	100%				

SEE TABLE BELOW
VALUES FOR -65°F TO 200°F

2. RUPTURE	VOLTAGE	CYCLES	AMPS	
			205 VAC	30VDC
	120 VAC	400 CYCLE	6,000	4,200
	205 VAC	400 CYCLE	6,000	6,000

3. DURABILITY	VOLTAGE	CYCLES	MECHANICAL (NO LOAD)	
			RESISTIVE LOAD	INDUCTIVE LOAD
	120 VAC	400 CYCLE	10,000	5,000
			5,000	5,000
			20,000	20,000

4. VOLTAGE DROP WHILE CARRYING RATED CURRENT	AMP RATING	MAXIMUM VOLTAGE DROP	
		2.5	7.5
	2.5	0.6 V	0.4 V
	5	0.4 V	0.3 V
	7.5	0.3 V	0.25 V
	ALL OTHERS	0.25 V	

5. VIBRATION	FREQUENCY	G LEVEL	
		5 - 10 CPS	10 - 23 CPS
	5 - 10 CPS	0.2 DOUBLE AMPLITUDE	±1 G
	10 - 23 CPS	±1 G	0.036 DOUBLE AMPLITUDE
	23 - 74 CPS	0.036 DOUBLE AMPLITUDE	±10 G
	74 - 300 CPS	±10 G	±15 G
	300 - 600 CPS	±15 G	±14 G
	600 - 700 CPS	±14 G	±10 G
	700 - 1500 CPS	±10 G	

6. COORDINATION	BETWEEN RATINGS	
	2.5 - 5	5 - 10
	5 - 10	7.5 - 15
	10 - 20	15 - 35

7. OPERATING FORCE	OPENING: 1.5 LBS. - 80 LBS.	
	CLOSING: 4.0 LBS. - 12 LBS.	
	1500 VAC, RMS.	
	100 MEGOHMS AT 500 VDC.	
	WHILE INTERRUPTING RUPTURE CURRENTS.	
	240 HOURS	
	50 HOURS	
	12 HOURS	
	25 G FOR 11 ±1 MILLISECONDS.	
	100 CYCLES AT 200% RATED CURRENT.	
	28 DAYS	
	25 LB. TENSILE LOAD, 20 IN.-LB. TORQUE LOAD.	
	30 LB. AXIAL LOAD, 10 IN.-LB. TORQUE LOAD.	
	25 LB. AXIAL LOAD, 40 LB. NORMAL LOAD.	
	10 G'S FOR 1 MINUTE.	
	NO AUTOMATIC RECLOSE.	
	RESETTABLE ONLY AFTER MOVING THE ACTUATOR TO THE FULL OPEN POSITION.	

8. DIELECTRIC STRENGTH	28 VDC	
	7 AMPS RESISTIVE	4 AMPS INDUCTIVE (SEA LEVEL)
	2.5 AMPS INDUCTIVE AT 50,000 FT.	115/230 VAC 60 CYCLES 7 AMPS RESISTIVE & INDUCTIVE

REVISIONS			
LTR	ZONE	DATE	APPROVED
C	-	2-21-63	[Signature]
D	-	1-29-64	[Signature]
E	-	1-20-73	[Signature]
F	-	8-14-75	[Signature]
G	-	11-10-88	[Signature]
H	C3	4-18-92	[Signature]
J	B3	10-30-95	[Signature]

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	32-1.1	.04-.16
6752-13-5	5	11-45	2.5-6.5	45-1.1	.06-.13
6752-13-7½	7.5	12-50	2.5-7.0	.34-1.1	.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	.36-1.2	.04-.13
6752-13-20	20	16-57	2.8-8.0	.37-1.2	.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

±.030

MATERIAL

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CH Al. Genest
ENG Doug Potts

DATE 2/21/63

APPROVED Doug Potts

KLIXON METALS & CONTROLS INC.
ATTLEBORO, MASSACHUSETTS, U.S.A.
A CORPORATE DIVISION OF TEXAS INSTRUMENTS INCORPORATED

SPENCER PRODUCTS

6752-13 TYPE
PUSH PULL CIRCUIT BREAKER
ENVELOPE DRAWING

CODE IDENT NO. SIZE
82647 D

6752-13

SCALE FULL WT ACT .2LBS. MAX. SHEET 1 OF 1

PART NO. 6752-13-5 SHOWN