

MSD INC.

ENGINEERING DATA SHEET

RELAY TYPE: FCA-415-CY4 COMPUTER PART No.: 9244542 TEST PROCEDURE
 CUSTOMER/SPECIFICATION: CATALOG ITEM REV NONE MSDP-791

TEST REQUIREMENTS

COIL RES.: 290 +/- 10% ohms OPERATE TIME: 15 mS Max RELEASE TIME: 15 mS Max
 CONTACT MAKE BOUNCE: 1 mS Max N.O. BREAK BOUNCE: 0.1 mS MAX
 CONTACT STABILIZATION TIME: N/A RATED COIL VOLTAGE: 28Vdc
 CONTACT RES.: MFG TEST: 8 Milliohms @ 10 mA FINAL TEST: 10 Milliohms @ 10 mA
 CONTACT VOLTAGE DROP: FINAL TEST: 100 mV Max @ 10 A - 6 V dc
 HI-POT: 1250 V rms ALL POINTS, EXCEPT 1000 V rms COIL TO CASE
 INSULATION RESISTANCE: 100 Megohms Min @ 500 V dc
 VIBRATION: N/A
 SEAL TEST: 1X10⁻⁸ Max LEAK RATE COIL TRANSIENT SUPPRESSION: 42 Vdc MAX
 OTHER: SEE SPECIAL INSTRUCTIONS BELOW

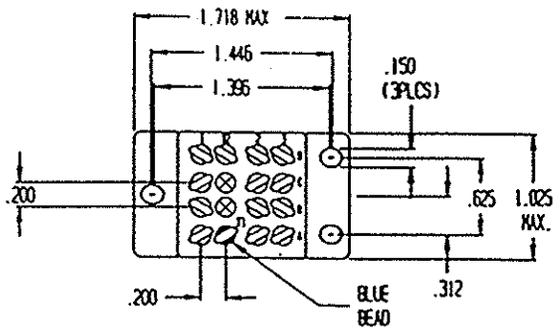
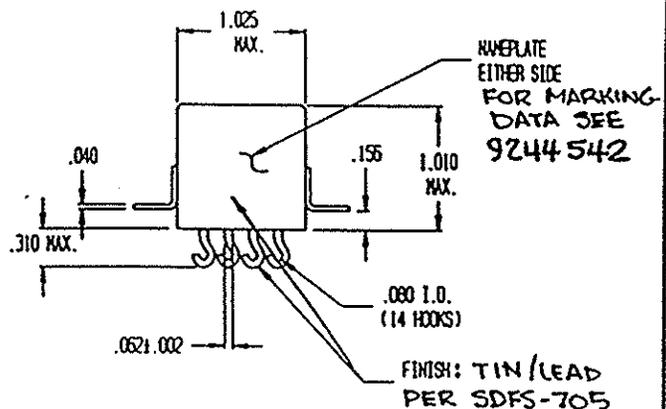
ADJUSTING REQUIREMENTS

OPERATION	ADJUST	OPEN	FINAL TEST
Pull In:	13.0 V dc MAX	13.3 V dc MAX	13.5 V dc MAX
Hold:	6.0 V dc MAX	6.3 V dc MAX	6.5 V dc MAX
Drop-Out:	3.0 V dc MIN	2.7 V dc MIN	2.5 V dc MIN

CONTACT DATA

CONTACT GAP	INCHES(MIN)	
	N.O.	N.C.
	.028	.028
CONTACT FORCE	GRAMS	
	N.O.	N.C.
	75-125	75-125
CONTACT FORCE VARIANCE	GRAMS(MAX)	
	N.O.	N.C.
	10	10

Prepared By: Date LES WYNN 3-27-96 Approved By: Date _____
 Rev A ECN No. 96-065 Date 3-27-96



TERMINAL LETTERS & NUMBERS FOR REFERENCE ONLY. DOES NOT APPEAR ON RELAY HEADER.

SPECIAL INSTRUCTIONS

*** RELAY HAS 15 AMP RATING CONTACT GAPS TO BE .028 MINIMUM (CHECK WITH SHIM GAGE)**

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