

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: 1×10^{-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

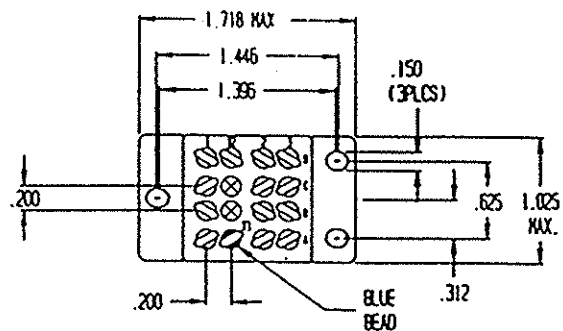
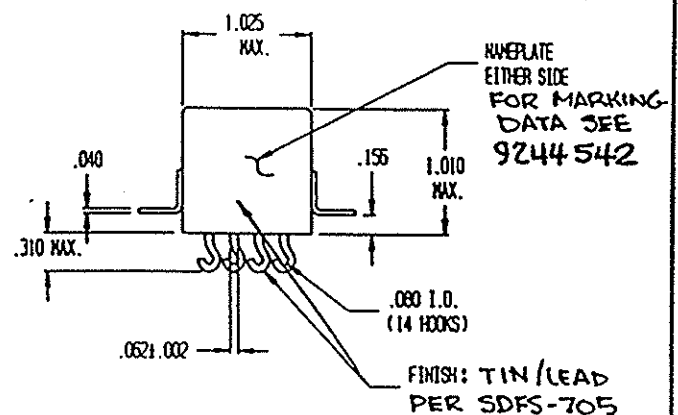
CONTACT DATA

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 Approved By: Date

LES WYNN 3-27-96

Rev	ECN No.	Date
A	96-065	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)