STANDARD DRAWING

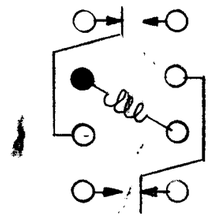
TMC PART NO.	MOUNTING STYLE	TERMS.	NOMINAL COIL VOLTAGE	COIL RES. MIN. Ω	PULL IN VOLT MAX	MIN. DROP OUT VOLT
RL160-1	1	HOOK	32 MAX. 26.5	600	18	1.5
RL160-2	3	PIN	12-12.6	123	8.5	.6
RL160-3	4	PIN	26.5	600	18	1.5

RL 160 F

SPECIFICATIONS

CONTACT ARRANGEMENT: TWO FORM C (DPDT)
CONTACT RATING: 2 AMPS AT 28 VDC RESISTIVE, 0.3 AMPS AT 115 VAC RESISTIVE
LIFE: 100,000 OPERATIONS @ 2 AMPS } END OF LIFE IS FAILURE TO OPERATE
1,000,000 OPERATIONS @ LOW LEVEL } OR CONTACT RESISTANCE GREATER THAN 3.0 OHMS
CONTACT RESISTANCE: 0.1 OHM MAX.
CASE: HERMATICALLY SEALED
OPERATING TEMPERATURE: -65°C + 125°C AMBIENT
FINISH: AS PER MIL-R-5757
TERMINALS: SEE CHART
DIELECTRIC: 1000 VOLTS RMS TERMINAL TO CASE
500 VOLTS RMS BETWEEN OPEN CONTACTS.
500 VOLTS RMS COIL TO GROUND
INSULATION RESISTANCE: 1000 MEGOHMS @125°C
OPERATING TIME: 4 MILLISECONDS MAX.
DROP OUT TIME: 4 MILLISECONDS MAX.
CONTACT BOUNCE: 1 MILLISECOND MAX.
WEIGHT: 0.35 OUNCE MAX.
TERMINAL STRENGTH: 3 ± 0.3 POUNDS PULL
TO MEET MIL R-5757/9 WHERE APPLICABLE EXCEPT GSI IS NOT REQUIRED & MIL P/N NEED NOT BE STAMPED ON CASE.

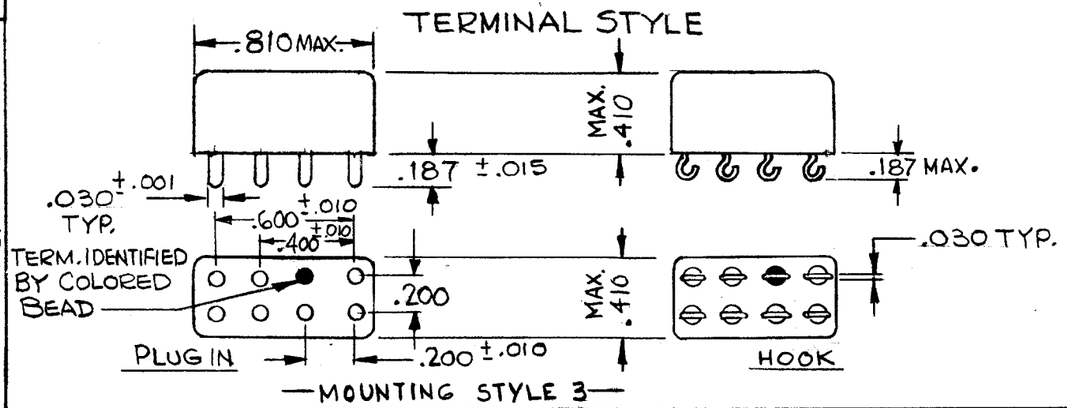
NOTE: SEE ALSO RL143



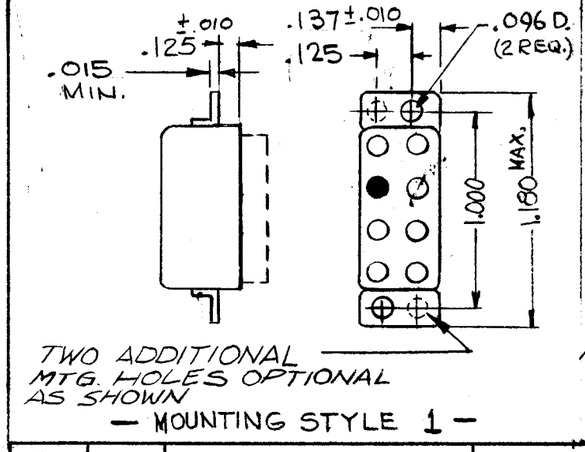
— CIRCUIT DIAGRAM —

REVISIONS						
SYM	DESCRIPTION	DATE	E.M.N. NO.	DRAFT	CHKD	APPD
X	EXP. RELEASE	9-10-64		G.D.L		
Ø	ORIGINAL RELEASE FOR PRODUCTION	9-15-64	Ø	G.D.L		
A	CHART: RL160-2, ARC SUPP. COL. WAS "INT."; MFG. CODE WAS "B"; ON (-1) MFG. CODE WAS "A".	1-21-65	13235	G.D.L	@	
B	PICT. CLARIFIED; CHART CLARIFIED ("STYLE" & "COIL RES." COLS.)	5-10-65	13937	G.D.L		
C	AT 25°C: ADDED DJIRCIPGAS WAS DJIRCIPGA	6-23-65	14308	D.V.V.		
D	DELE. MTG. STYLE 2 & GENERALLY REVISED	2-25-66	15799	H.L.A.		
E	ADDED RL160-3 TO PARTS CHT	3-17-69	19562	G.E.		
F	ADDED MTG. STYLE 4, MTG. STYLE 4 WAS 3 (CHT)	5-1-69	19399	G.E.		

TERMINAL STYLE

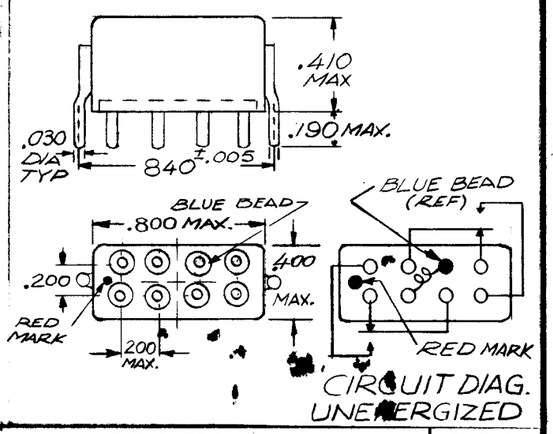


— MOUNTING STYLE 3 —



— MOUNTING STYLE 1 —

MOUNTING STYLE 4



REQ'D.	ITEM	PART NUMBER	DESCRIPTION	SYMBOL

LIST OF MATERIAL

MATERIAL: #
FINISH: #

THE TECHNICAL MATERIEL CORP.
MAMARONECK, NEW YORK

TITLE: RELAY, ELECTROMAGNETIC SUB MINIATURE

DRAWN	DATE	FINAL APPROVAL	DATE
G.D.L	9-9-64	RDL	
CHECKED @	DATE 9-14-64		
ELECT. DES. JC	DATE 9/14/64	RL 160	F
MECH. DES.	DATE	SHEET	REV. LTR.

Q'TY./UNIT	MODEL USED ON	ASS'Y. NO.
SCALE #	CODE C	S401-317 (DJ) S401-3 (62) S401-227 (5)

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES

DECIMALS: .X ± .05; .XX ± .01; .XXX ± .005
TOLERANCES
FRACTIONS ± 1/64
ANGLES ± 0° 30'

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NOTES