

REVISIONS			
SYMBOL	DESCRIPTION	DATE	APPROVAL
A	RN AD60 INCORPORATED	5/3/93	SG 2

SHEET REVISION STATUS																					
SH	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
REV	A	A	--																		
SH	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	
REV																					
ORIGINATOR T. Perry/Paramax									DATE 6/23/92		FSC: 5945										
APPROVED S. Archer-Davies/Paramax									6/23/92		Relays, Electromagnetic, Hermetically Sealed, 4PDT (4C), Permanent Magnet Drive, 10 Ampere, All Welded										
CODE 311 APPROVAL P. Jones/GSFC									6/30/92												
CODE 311 SUPERVISORY APVL G. P. Kramer, Jr./GSFC									7/20/92												
ADDITIONAL APPROVAL											S-311-P-754/10										

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
GODDARD SPACE FLIGHT CENTER
GREENBELT, MARYLAND 20771

CAGE CODE: 25306

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GSFC DETAIL SPECIFICATION

RELAYS, ELECTROMAGNETIC, HERMETICALLY SEALED, 4PDT (4C),
PERMANENT MAGNET DRIVE, 10 AMPERE, ALL WELDED

The requirements for procuring the relays described herein shall consist of this specification and the current revision of GSFC S-311-P-754.

Table I. Part Numbers and characteristics

GSFC Part Number	Similar to MIL Part Number	Terminal Type	Coil Voltage (Nominal)	Pickup Voltage (max.)	Dropout Voltage (min.)	DC Coil Resistance (ohms)
G311P754/10-001	MS27400-5M	Solder Hook	28.0 Vdc	18.0 Vdc	1.5 Vdc	290 $\pm 10\%$
G311P754/10-002	MS27400-6M	Socket Pin	28.0 Vdc	18.0 Vdc	1.5 Vdc	290 $\pm 10\%$

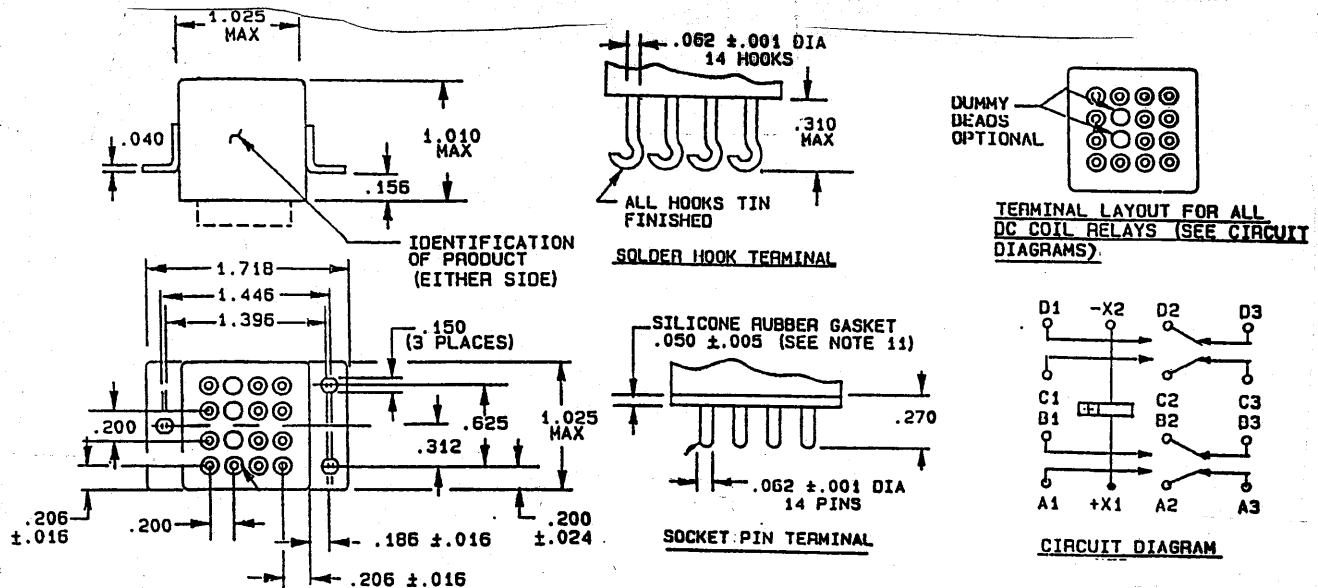


Figure 1. Configuration and circuit diagram.

Notes:

1. Relays must be provided with unpainted enclosures.
2. Terminal numbers do not appear on the header. There shall be affixed to each relay a suitable circuit diagram that identifies each terminal location.

REQUIREMENTS:

Operating Temperature Range: -70°C to +125°C

Other: All requirements (contact ratings, life test requirements, environmental data, etc.) shall be as specified in MS27400 except as detailed or modified herein.

Seal

Fine leak test 1 X 10⁻⁸ cc/sec max.
Gross leak test not applicable

Electrical measurements

Insulation resistance see MS27400
Dielectric strength see MS27400
Coil resistance see Table I
Pickup voltage see Table I
Dropout voltage see Table I
Contact voltage drop 0.150 volt max.
Operate time 15 ms max.
Release time 15 ms max.
Bounce time see MS27400
Coil transient suppression not applicable
Neutral screen not applicable

Vibration

Sinusoidal 30 g (10 - 3000 Hz)
Random not applicable

High temperature soak not applicable
High temperature run-in applicable at +85°C
Low temperature run-in not applicable
Room temperature run-in not applicable

Seal

Fine leak test 1 x 10⁻⁸ cc/sec max.
Gross leak test applicable