

REVISIONS			
SYMBOL	DESCRIPTION	DATE	APPROVAL
A	RN A059 INCORPORATED	5/3/93	<i>[Signature]</i>

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 Relays, Electromagnetic, Hermetically Sealed, 2PDT (2C), Permanent Magnet Drive, 10 Ampere, All Welded
APPROVED S. Archer-Davies/Paramax	6/23/92	
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-754/06

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

CAGE CODE: 25306 PAGE 1 OF 3

GSFC DETAIL SPECIFICATION

**RELAYS, ELECTROMAGNETIC, HERMETICALLY SEALED, 2PDT (2C),
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)
G311P754/06-001	MS27401-5M	Solder Hook	28.0 Vdc	18.0 Vdc	1.5 Vdc	320 ±10%
G311P754/06-002	MS27401-6M	Socket Pin	28.0 Vdc	18.0 Vdc	1.5 Vdc	320 ±10%

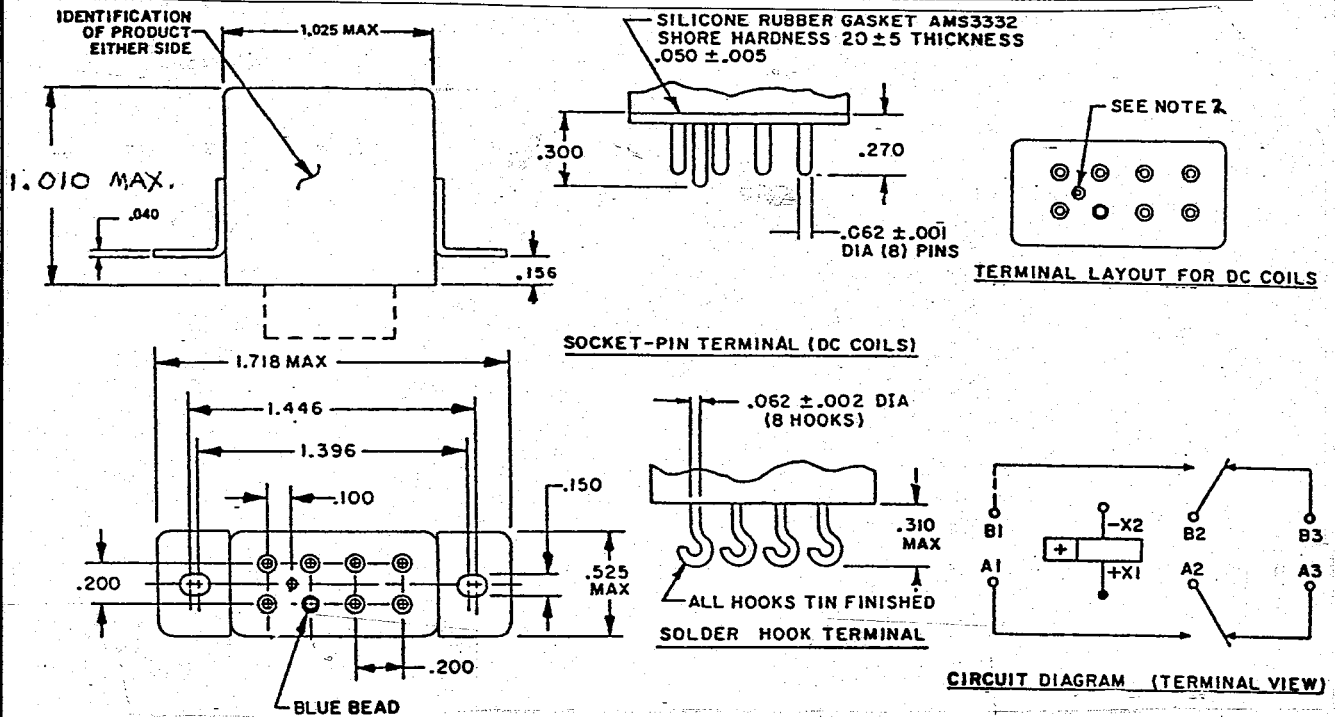


Figure 1. Configuration and circuit diagram.

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 MS27401 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 MS27401
Dielectric strength see MS27401
Coil resistance see Table I
Pickup voltage see Table I
Dropout voltage see Table I
Contact voltage drop..... 0.150 volt max.
Operate time 10 ms max.
Release time 10 ms max.
Bounce time see MS27401
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