

REVISIONS			
SYMBOL	DESCRIPTION	DATE	APPROVAL
A	RN A-060 Incorporated	05/03/93	<i>SG 2</i>
B	Revised per RN A-179	08/30/12	JS

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	B	B	B																	
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

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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	M83536/15-021	Solder Hook	28.0 Vdc	18.0 Vdc	1.5 Vdc	260 ±10%
G311P754/10-002	M83536/15-022	Socket Pin	28.0 Vdc	18.0 Vdc	1.5 Vdc	260 ±10%

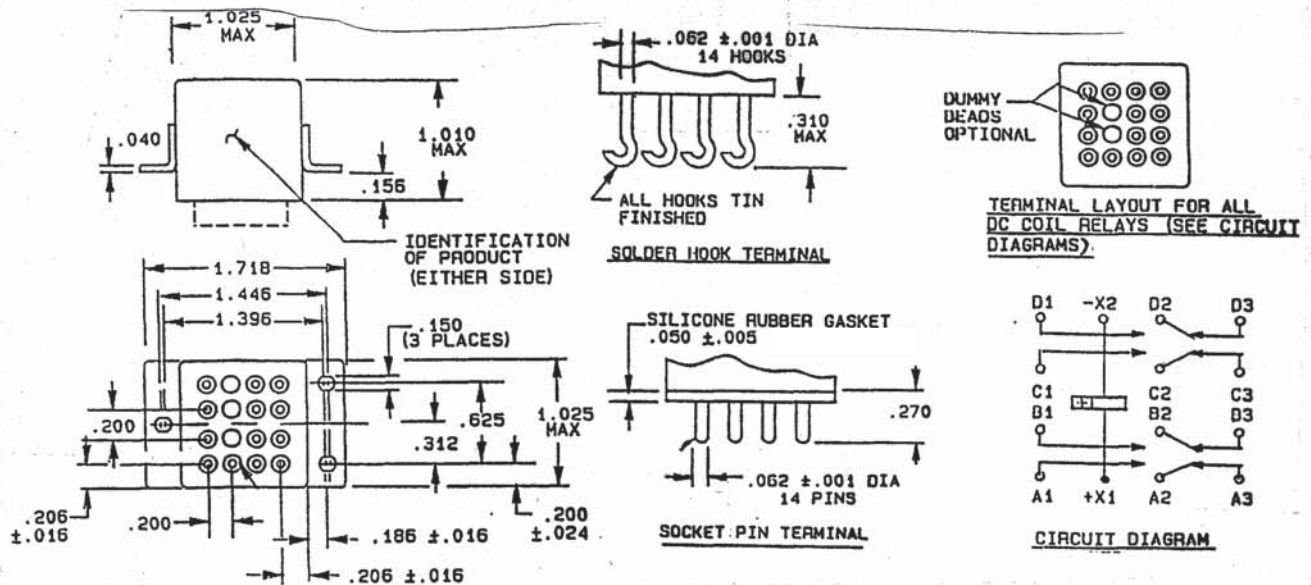


Figure 1. Configuration and circuit diagram.

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 MIL-PRF-83536/15 expect 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 MIL-PRF-83536/15
Dielectric strength MIL-PRF-83536/15
Coil resistance see Table I
Pickup voltage see Table I
Dropout voltage see Table I
Contact voltage drop..... 0.100 volt max.
Operate time 15 ms max.
Release time 15 ms max.
Bounce time 1.0 milisecond max.
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