

REVISIONS			
SYMBOL	DESCRIPTION	DATE	APPROVAL
A	DRAWING REVISED AND REDRAWN	9/2/92	<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	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 06/12/92	FSC: 5945
APPROVED S. Archer-Davies/Paramax	06/12/92	Relays, Electromagnetic, Hermetically Sealed, 4PDT (4C), Latching, Low Level to 2 Amperes (0.150 inch Terminal Spacing)
CODE 311 APPROVAL P. Jones/GSFC	06/12/92	
CODE 311 SUPERVISORY APVL G. P. Kramer, Jr./GSFC	06/12/92	
ADDITIONAL APPROVAL		S-311-P-754/08

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, 4PDT (4C),
LATCHING, LOW LEVEL TO 2 AMPERES (0.150 INCH TERMINAL SPACING),
PLUG-IN

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)
G311P754/08-001	M39016/31-001	Printed Wiring	6.0 Vdc	2.6 Vdc	N/A	37 ±10%
G311P754/08-002	M39016/31-002	Printed Wiring	12.0 Vdc	5.2 Vdc	N/A	145 ±10%
G311P754/08-003	M39016/31-003	Printed Wiring	26.5 Vdc	13.5 Vdc	N/A	975 ±10%

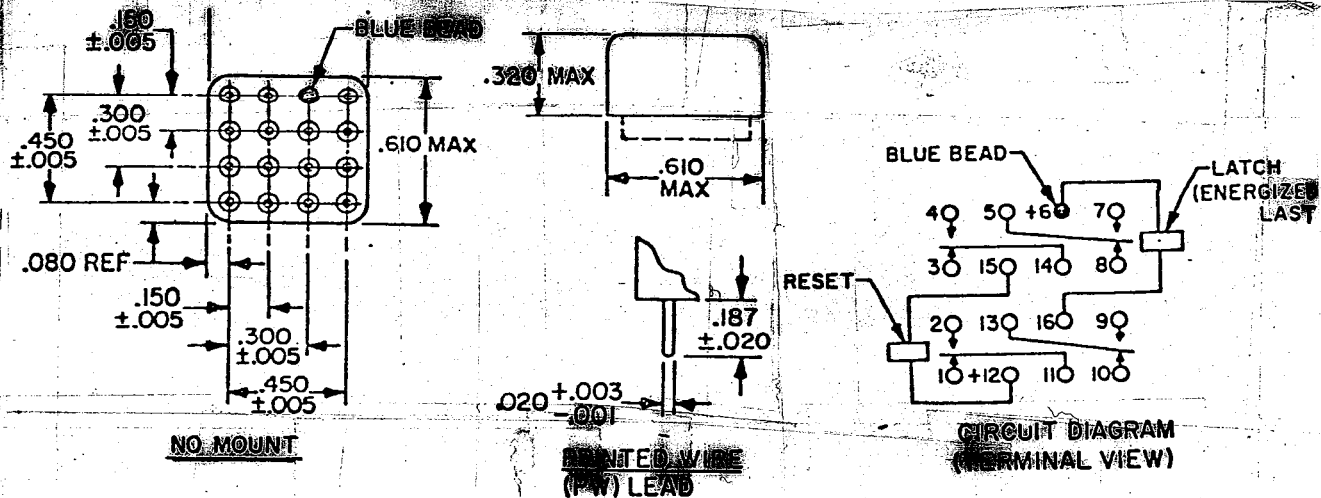


Figure 1. Configuration and circuit diagram.

Notes:

1. Terminal numbers in circuit diagram are for reference only.

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G311P754/08-003	M39016/31-003	Printed Wiring	26.5 Vdc	13.5 Vdc	N/A	975 ±10%

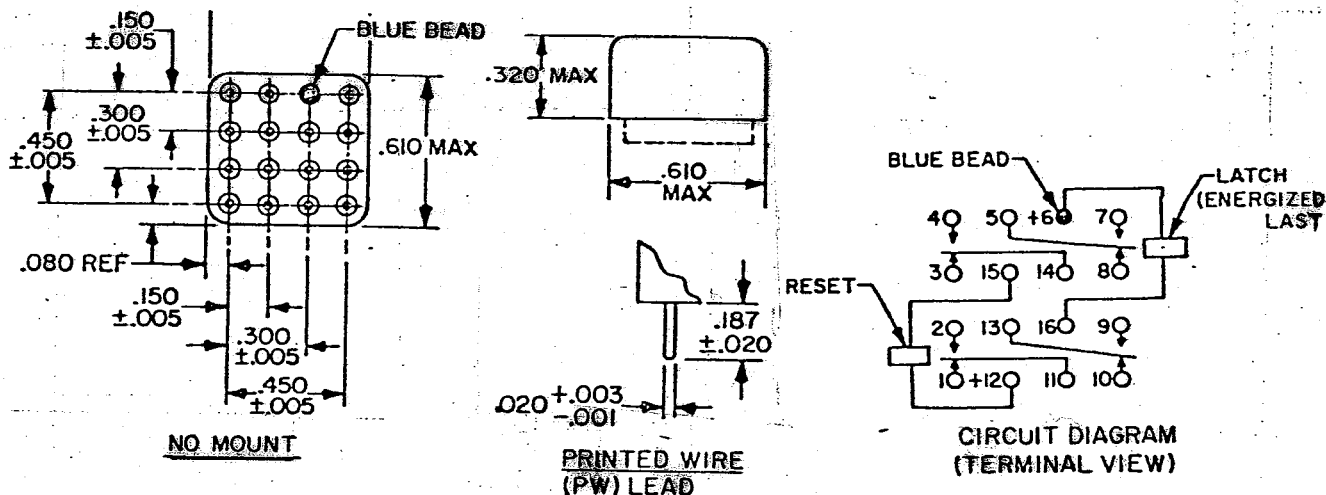


Figure 1. Configuration and circuit diagram.

Notes:

- Terminal numbers in circuit diagram are for reference only.

REQUIREMENTS:

Operating Temperature Range: -65°C to +125°C

Other: All requirements (contact ratings, life test requirements, environmental data, etc.) shall be as specified in MIL-R-39016/31 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 10,000 Mohm min.
Dielectric strength 500 V_{rms}, 60 Hz
Coil resistance see Table I
Pickup voltage (latch & reset)..... see Table I
Dropout voltage not applicable
Contact resistance 50 milliohms max.
Operate time (latch & reset)..... 4 ms max.
Release time not applicable
Bounce time 2 ms max.
Coil transient suppression..... not applicable
Neutral screen..... applicable

Vibration

Sinusoidal 30 g (55 - 3000 Hz)
Random not applicable

High temperature soak applicable
High temperature run-in not applicable
Low temperature run-in applicable
Room temperature run-in applicable

Seal

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

Enclosures: Relays must be provided with unpainted enclosures.