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INCH-POUND
AN3335
REVISION 5
7 June 2011
SUPERSEDING
REVISION 4
15 January 2002

DETAIL SPECIFICATION SHEET

RELAY, 5 AMP, 3PST, UNSEALED, CLASS O

Inactive for new design after 17 December 1957. No superseding document.

This specification is approved for use by all Departments and Agencies of the Department of Defense.

The requirements for acquiring the relay described herein shall consist of this specification and MIL-PRF-6106.

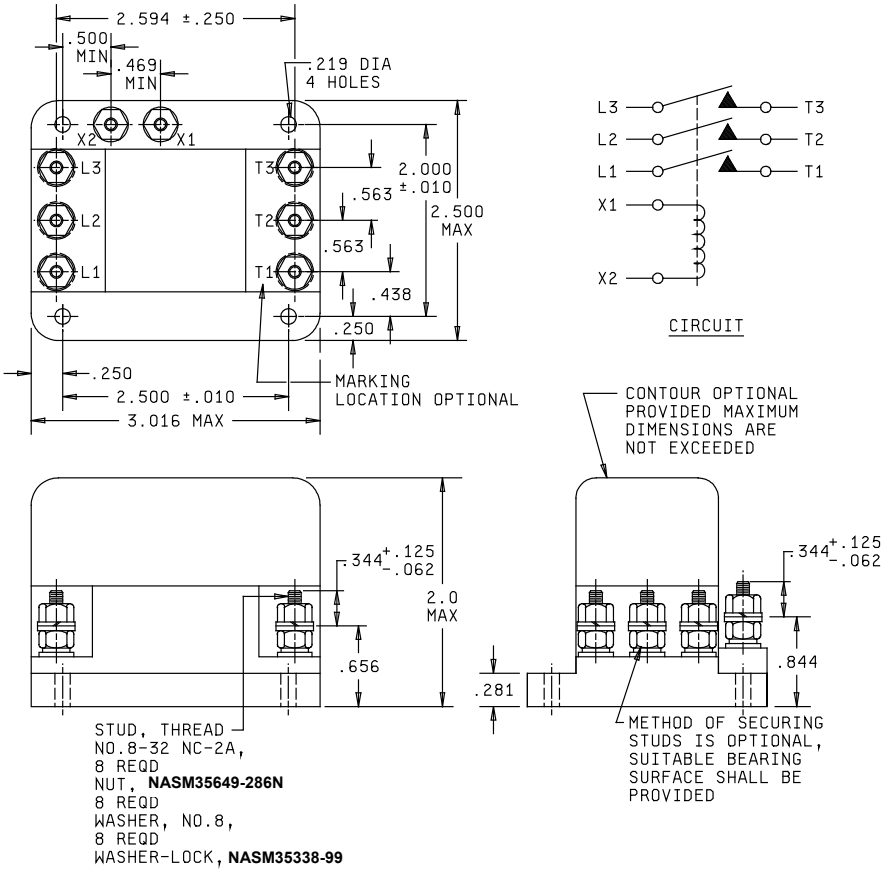

FIGURE 1. Configurations and dimensions.

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Inches	mm	Inches	mm
.010	0.025	.500	1.270
.062	0.158	.563	1.428
.125	0.317	.656	1.666
.219	0.555	.844	2.143
.250	0.635	2.000	5.08
.281	0.714	2.500	6.350
.344	0.873	2.594	6.588
.438	1.111	3.016	7.659
.469	1.191		

NOTES:
1. Dimensions are in inches.
2. Metric equivalents are given for general information only.
3. Unless otherwise specified, tolerance are ±.016 (0.040 mm).

FIGURE 1. Configurations and dimensions - Continued.

REQUIREMENTS

Operating cycles: 50,000 minimum.

Contact voltage drop:

Initial: 0.150 volt maximum.

After life: 0.175 maximum.

Load ratings: See Table I.

TABLE I - Rated contact load (per pole).

Type of load	Amperes
Resistive (400Hz, 115/200 Volts AC or 28 Volts DC)	5
Inductive (DC 28 Volts)	2
Motor (400Hz, 115/200 Volts AC or 28 Volts DC)	5

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Overload current: Not applicable.

Rupture current: Not applicable.

Coil data:

Nominal operating voltage:

Coil: 28 volts DC.
Contacts: 400Hz, 115/200 Volts AC or 28 Volts DC.

Maximum continuous coil voltage: 29 volts.

Pickup voltage: 18 volts.

Hold voltage: 7 volts

Dropout voltage: 1.5 volts.

Rated duty: Continuous.

Coil current: 0.25 amperes, maximum at 29 volts DC.

Physical data:

Weight: 0.5 pounds, maximum.

Qualification by similarity: See MIL-PRF-6106.

Retention of qualification: To retain qualification, the manufacturer shall submit group A acceptance reports on a yearly basis to the qualifying activity.

Quality conformance inspection: Performance of groups B and C tests are not applicable.

Part or Identifying Number (PIN): AN3335-1.

Referenced documents:
MIL-PRF-6106

Marginal notations are not used in this revision to identify changes with respect to the previous issue due to the extent of the changes.

Custodian:
Army - AV
Air Force - 85
DLA - CC

Review activity:
Air Force - 99

Preparing activity:
DLA - CC

(Project 5945-2011-020)

NOTE: The activities listed above were interested in this document as of the date of this document. Since organizations and responsibilities can change, you should verify the currency of the information above using the ASSIST Online database at https://assist.daps.dla.mil/ .