

INCH-POUND

MS25035E

7 June 2011

SUPERSEDING

MS25035D

15 December 2001

## DETAIL SPECIFICATION SHEET

RELAY, ELECTROMAGNETIC, TYPE I, 25 AMPERES,  
1PST, SEALED, CLASS O

Inactive for new design after 14 November 1979. 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 the MIL-PRF-6106.

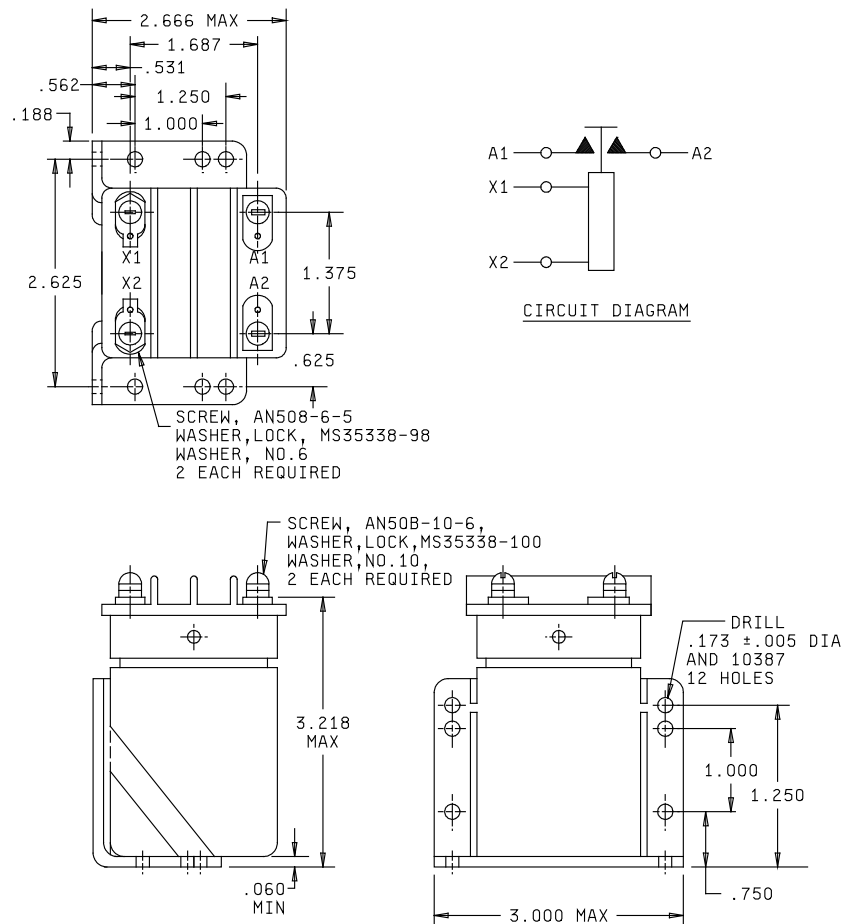


FIGURE 1. Configurations and dimensions.

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Inches	mm	Inches	mm
.005	0.013	1.000	25.40
.020	0.51	1.250	31.75
.060	1.52	1.375	34.92
.173	4.39	1.687	42.85
.188	4.78	2.625	66.68
.531	13.49	2.666	67.72
.562	14.27	3.000	76.20
.625	15.88	3.218	81.74
.750	19.05		

## NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for general information only.
3. Unless otherwise specified, tolerance are  $\pm 0.010$  (0.025 mm).

FIGURE 1. Configurations and dimensions - Continued.

## REQUIREMENTS

Operating cycles: 50,000 minimum.

Contact data:

Contact voltage drop: Not applicable

Load ratings: See Table I.

TABLE I - Rated contact load (per pole).

Type of load	Amperes
Resistive (DC)	25
Resistive (AC 400 Hz, 115 volts)	25
Inductive (28 V dc)	20
Motor (28 V dc or 115 V ac, 400 Hz)	25
Mixed loads MS25024-2	See MIL-PRF-6106.

Overload current: Not applicable.

Rupture current: Not applicable.

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### Coil data:

Nominal coil voltage: 28 volts.  
Maximum operating voltage: 29 volts.  
Pickup voltage: 18 volts.  
Hold voltage: 7 volts  
Dropout voltage: 2 volts.  
Rated duty: Continuous.  
Coil current: 25 amperes, maximum.

### Physical data:

Weight: 12.5 ounces, 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): MS25035-1.

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:  
Navy - AS  
Air Force - 85  
DLA - CC

Preparing activity:  
DLA - CC  
(Project 5945-2011-017)

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/>.