

INCH-POUND

MS25035D  
 15 December 2001  
 SUPERSEDING  
 MS25035C  
 14 November 1979

## 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 latest issue of MIL-PRF-6106.

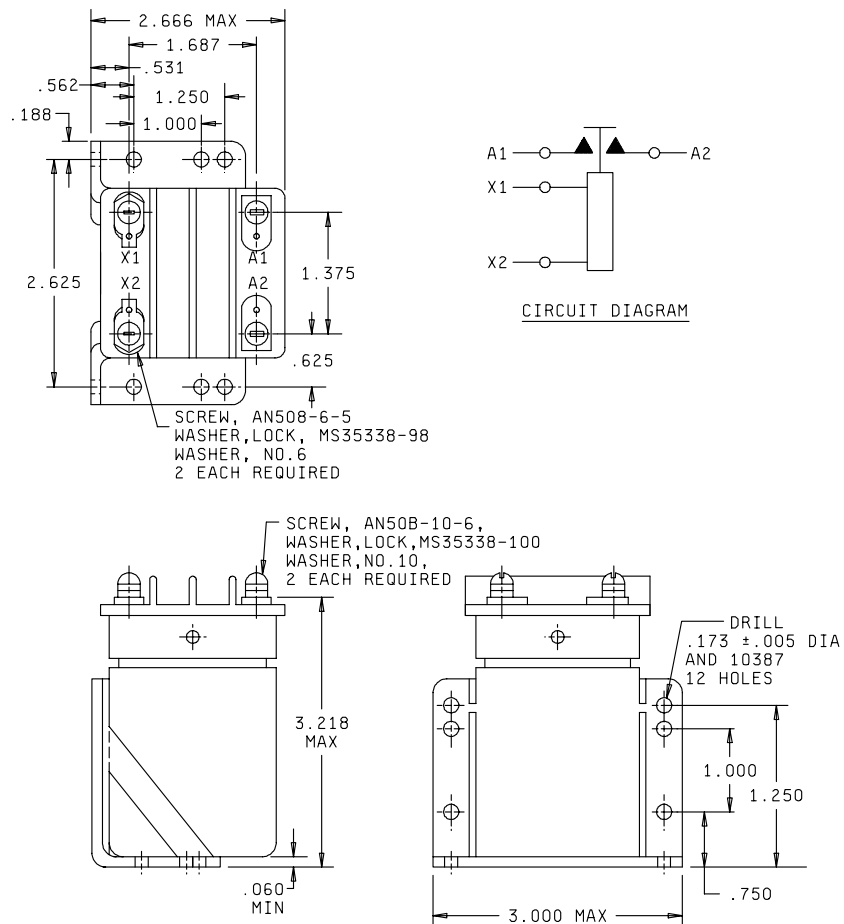


FIGURE 1. Configurations and dimensions.

## MS25035D

| 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.

MS25035D

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.

Custodian:

Navy - AS

Air Force - 11

DLA - CC

Preparing activity:

DLA - CC

(Project 5945-1128-03)