

INCH-POUND

MS25024H
28 February 2012
SUPERSEDING
MS25024G
15 December 2001

DETAIL SPECIFICATION SHEET

RELAY, 10 AMP, 4PDT, SEALED, CLASS O

Inactive for new design after 12 August 1964.
For new design, use in
[MS24568](#) dash number DI.

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 sheet and in [MIL-PRF-6106](#).

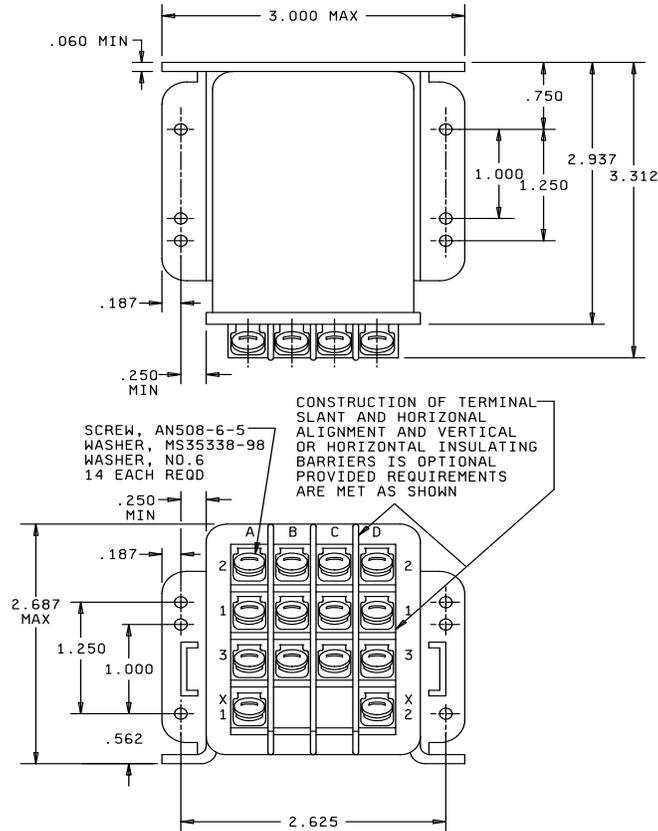
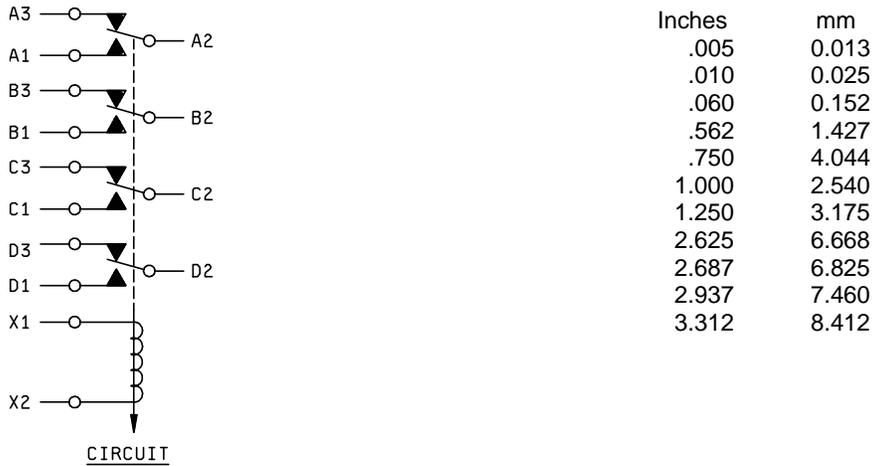


FIGURE 1. Configurations and dimensions.

MS25024H



NOTES:

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

FIGURE 1. Configurations and dimensions - Continued.

REQUIREMENTS

Operating cycles: 50,000 minimum.

Contact data:

Contact voltage drop:

Initial: 0.150 volt maximum.

After life: 0.175 volt maximum.

Load ratings: See [table I](#).

TABLE I - Rated contact load (per pole).

| Type of load | Amperes |
|----------------------------------|------------------------------------|
| Resistive (dc) | 10 |
| Resistive (ac 400 Hz, 115 volts) | 10 |
| Inductive | 10 |
| Motor | 6 |
| Mixed loads MS25024-2 | See MIL-PRF-6106 . |

Overload current: See [MIL-PRF-6106](#).

MS25024H

Rupture current: See [MIL-PRF-6106](#).

Coil data:

- Nominal coil voltage: 28 volts.
- Maximum operating voltage: 29 volts.
- Pickup voltage: 18 volts.
- Hold voltage: 7 volts.
- Dropout voltage: 1.5 volts.
- Rated duty: Continuous.
- Coil current: 0.35 amperes, maximum.

Physical data:

Weight: 0.8 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.

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

Part or Identifying Number (PIN): MS25024-2.

Supersession information:

Interchangeability relationship:

MS25024 parts are functionally interchangeable in accordance with [MS24568](#) Dash Number DI parts.

MS25024 parts are dimensionally interchangeable in accordance with [MS24568](#) Dash Number DI parts in most cases but not in all cases.

Dimensional interchangeability is determined by the installation and a determination must be made for each different installation.

Part MS25024-2 supersedes MS25024-1.

Changes from previous issue. The margins of this specification are marked with vertical lines to indicate where changes from the previous issue were made. This was done as a convenience only and the Government assumes no liability whatsoever for any inaccuracies in these notations. Bidders and contractors are cautioned to evaluate the requirements of this document based on the entire content irrespective of the marginal notations and relationship to the last previous issue.

Referenced documents. In addition to MS25024, this document references the following:

[MIL-PRF-6106](#) [MS24568](#)

MS25024H

Custodian:

Army - CR
Navy - AS
Air Force - 85
DLA - CC

Preparing activity:

DLA - CC

Review activity:

Air Force – 99

(Project 5945-2012-002)

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/>.