

INCH-POUND

MS25033C
 15 December 2001
 SUPERSEDING
 MS25033B
 18 June 1957

DETAIL SPECIFICATION SHEET

RELAY, 200 AMP, 1PST, SEALED, CLASS O

Inactive for new design after 12 August 1964.
 For new design, use MS24183.

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.

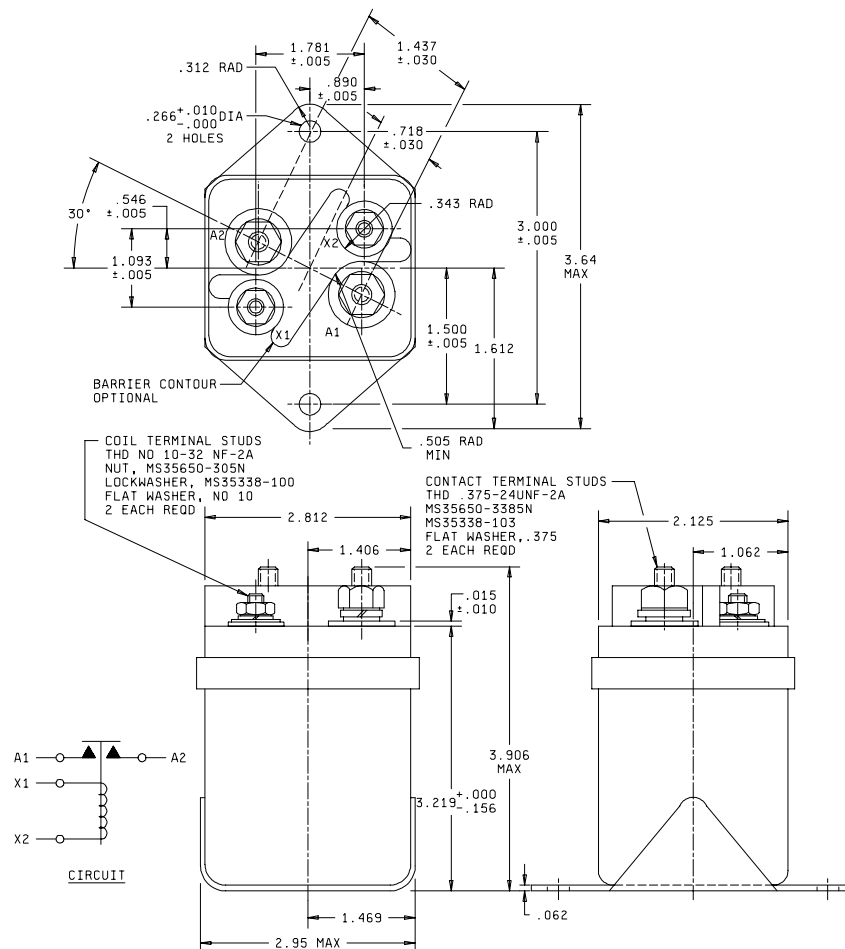


FIGURE 1. Configurations and dimensions.

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Inches	mm	Inches	mm
.005	0.013	1.062	2.743
.010	0.025	1.406	3.660
.015	0.038	1.469	3.866
.030	0.193	1.437	4.216
.062	0.157	1.500	4.366
.156	0.396	1.612	5.497
.266	0.676	1.781	6.916
.312	0.792	2.125	8.202
.343	0.871	2.812	10.226
.505	1.283	2.950	12.035
.546	1.387	3.000	12.530
.718	1.824	3.219	14.633
.890	2.261	3.640	17.249
1.093	2.776	3.906	19.749

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for general information only.
3. Unless otherwise specified, tolerance are ± 0.016 (0.040 mm), angles $\pm 1/2^\circ$.

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 maximum.

Load ratings: See Table I.

TABLE I - Rated contact load (per pole).

Type of load	Amperes
Resistive (DC)	200
Inductive	100
Motor	200

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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: 1.5 volts.
Rated duty: Continuous.
Coil current: 0.5 amperes, maximum.

Physical data:

Weight: 2.0 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): MS25033-1.

Custodian:

Air Force - 11
DLA - CC

Review activity:
Air Force - 99

Preparing activity:
DLA - CC

(Project 5945-1128-02)