

INCH-POUND

MIL-R-83725B  
 AMENDMENT 2  
 15 June 1994  
 SUPERSEDING  
 AMENDMENT 1  
 13 March 1980

## MILITARY SPECIFICATION

## RELAYS, VACUUM, GENERAL SPECIFICATION FOR

This amendment forms a part of MIL-R-83725B, dated 3 October 1977, and is approved for use by all Departments and Agencies of the Department of Defense.

## PAGE 1

- \* STANDARD, MILITARY, delete "MIL-STD-105 - Sampling Procedures and Tables for Inspection by Attributes."

## PAGE 3

3.4.6, last sentence, delete and substitute: "Unless otherwise specified (see 3.1), gold plated terminals shall not be used."

## PAGE 4

3.16, delete and substitute:

"3.16 Thermal shock. When relays are tested as specified in 4.16, there shall be no damage to the relay, loosening of terminals, or cracking or flaking of glass insulation."

## PAGE 6

- \* 4.6.1.2.1, delete and substitute:

"4.6.1.2.1 Sampling plan. Each relay offered for inspection shall be subjected to the tests in subgroup 1. Inspection lots rejected in subgroup 1 shall not be offered for reinspection. For subgroup 2, a sample of parts shall be randomly selected in accordance with table IIa. If one or more defects are found, the lot shall be rescreened and the defective parts removed. After screening and removal of defective parts, a new sample of parts shall be randomly selected in accordance with table IIa. If one or more defects are found in the second sample, the lot shall be rejected and shall not be supplied to this specification."

- \* 4.6.1.2.2, delete in its entirety.

## PAGE 7

TABLE 1, Examination or test column, Group IV, delete: "Shelf life (accelerated)" and substitute "Thermal shock".

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\* TABLE II, delete and substitute:

" TABLE II. Group A inspection.

Inspection	Requirement paragraph	Test method paragraph	Sampling plan
<u>Subgroup 1</u>			
Dielectric withstanding voltage	3.5	4.7.2	100% inspection
Electrical characteristics	3.7	4.7.4	
<u>Subgroup 2</u>			
Visual and mechanical examination <u>1/</u>	3.1, 3.3, 3.4, 3.19, 3.20	4.7.1	See table IIa
Insulation resistance	3.6	4.7.3	

1/ Two samples unit only for physical dimensions. "

\* After table II, add:

" TABLE IIa. Group A, subgroup 2, inspection sampling plan.

Lot size	Sample size for visual and mechanical examination and insulation resistance
2 to 8	All
9 to 15	13
16 to 25	13
26 to 50	13
51 to 90	13
91 to 150	13
151 to 280	20
281 to 500	29
501 to 1,200	34
1,201 to 3,200	42
3,201 to 10,000	50

PAGE 10

4.15, delete first sentence and substitute: "Relays shall be cycled for the number of cycles and at the rate specified (see 3.1)."

4.16, delete and substitute:

"4.16 Thermal shock (see 3.16). Relays shall be tested in accordance with method 107, test condition B, MIL-STD-202 for the relay temperature range specified (see 3.1). After cycling, relays shall be visually examined for breaking, cracking, chipping or flaking of the finish or loosening of the terminals and the dielectric withstanding voltage shall be measured as specified in 4.7.2. "

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The margins of this amendment are marked with an asterisk to indicate where changes (additions, modifications, corrections, deletions) from the previous amendment 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.

CONCLUDING MATERIAL

Custodians:

Army - ER  
Navy - EC  
Air Force - 85

Review activities:

Air Force - 99  
Navy - AS, OS  
DLA - ES

Preparing activity:

Air Force - 85

Agent:

DLA - ES

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