INCH-POUND

MIL-PRF-83536/32
AMENDMENT 2
14 January 2000

SUPERSEDING
AMENDMENT 1
31 July 1998

PERFORMANCE SPECIFICATION SHEET

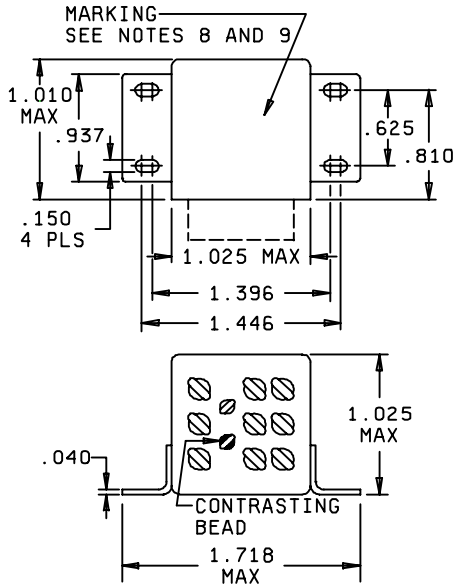
RELAYS, ELECTROMAGNETIC, ESTABLISHED RELIABILITY, 3PDT,
25 AMPERES (RESISTIVE), PERMANENT MAGNET DRIVE, HERMETICALLY SEALED,
ALL WELDED, DC COIL

This specification is approved for use by all Departments and
Agencies of the Department of Defense.

PAGE 2

Figure 1, delete and substitute:

“



Horizontal Flange Mount (HFM)

SOLDER HOOK AND SOLDER PIN RELAYS, TIN PLATE FINISH “

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PAGE 4

* Note 10, delete and substitute “10. Socket pin terminals shall provide the operational, environmental, and interface characteristics to provide a reliable interconnect to gold-plated contacts. Socket pin terminals, except for the polarizing pin, shall be gold plated. One system for gold plating that may be used is ASTM B488, type 3, class 1.25 with a nickel underplate of 50 to 150 microinches thick. The gold plating system shall enable the product to meet the performance requirements of this specification and shall be approved by the qualifying activity.”

* Note 11, delete and substitute “11. Gasket shall provide a reliable seal between the relay and mating socket that will meet the environmental, operational, and interface requirements of the relay with the mating socket. The gasket shall have shore hardness 15 to 35, thickness .050 ±.005. Gasket material according to AMS 3332 has been considered acceptable."

PAGE 5

REQUIREMENTS, contact data, load ratings, after mixed loads, add: “Low level life: Not applicable.”

REQUIREMENTS, contact data, contact voltage drop and resistance, delete and substitute:

“Initial contact voltage drop: 0.150 V maximum. Rated resistive current at 6 V dc or peak ac. Relays shall not make or break this load.

Initial contact resistance: Not applicable.

High level life (contact voltage drop):

During life: 10 percent open circuit voltage maximum.

After life: 0.175 V maximum.

Intermediate current (contact resistance):

During intermediate current: 3 ohms maximum.

After intermediate current: 0.150 ohm maximum.”

* REQUIREMENTS, contact data, after contact bounce, delete: “Contact break bounce: 0.1 ms maximum.” (This reverses a change made in amendment 1.)

REQUIREMENTS, contact stabilization time, delete.

The margins of this amendment are marked with an asterisk to indicate where changes 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 upon the entire content irrespective of the marginal notations and relationship to the last previous amendment.

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