

PERFORMANCE SPECIFICATION SHEET

RELAYS, ELECTROMAGNETIC, ESTABLISHED RELIABILITY, DPDT,
LOW LEVEL TO 1.0 AMPERE, TERMINALS 0.100 - INCH GRID PATTERN

This amendment forms a part of MIL-PRF-39016/17G, dated 20 July 1988, and is approved for use by all Departments and Agencies of the Department of Defense.

PAGE 1

FIGURE 1: Delete ".370 SQ MAX" and substitute ".375 SQ MAX".

PAGE 2

FIGURE 2: Delete ".370 SQ MAX" and substitute ".375 SQ MAX".

FIGURE 2, mounting pad: Delete ".170 ±005 and substitute ".140 minimum, .175 maximum".

PAGE 3

REQUIREMENTS, contact data, load ratings, high level (relay case grounded), resistive, delete and substitute:

Resistive:

- 1.0 ampere at 28 V dc.
- 250 milliamperes at 115 V ac 60 and 400 Hz case not grounded.
- 100 milliamperes at 115 V ac 60 and 400 Hz case grounded.

REQUIREMENTS, contact data, overload (high level only), delete and substitute:

Overload (high level only): Two times rated current. Not applicable to ac load ratings.

PAGE 4

Dielectric withstanding voltage, delete and substitute:

	Sea level V rms (60 Hz)	Post intermediate current life test Sea level V rms (60 Hz)	Altitude V rms (60 Hz)
Between case, frame or enclosure, and all contacts in the energized and deenergized positions: -----	500	500	
Between case, frame or enclosure, and coil: -----	500	500	125
Between all contacts and coil: -----	500	500	All terminals to case
Between open contacts in the energized and deenergized positions: --	500	375	
Between contact poles in the energized and deenergized positions: ---	500	500	
Between coils of dual coil relays	NA	NA	

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AMENDMENT 6

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TABLE II, footnote 1/, delete and substitute:

"1/ For retention of qualification or extension of qualification to lower failure rate levels, all life test data accumulated on MIL-PRF-39016/18, /19, /41, /42, and /43, may be used in addition to MIL-PRF-39016/17 data. Prior to performance of retention of qualification testing, the relay manufacturer shall preselect the sampling plan."

PAGE 6

Qualification inspection (reduced testing), delete and substitute:

"If the relays produced for MIL-PRF-39016/17 are similar in construction and design except for the suppresser and steering diodes and coil assembly, as applicable, to the relays produced for MIL-PRF-39016/18, /19, /41, /42, and /43, then reduced testing for qualification of MIL-PRF-39016/17 relays may be performed concurrent with or subsequent to successful qualification of MIL-PRF-39016/18, /19, /41, /42, and /43 relays. For reduced testing, see table III."

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- * Group A testing for relay, delete: "Before installation of pad, perform subgroup 2 of group A tests. After installation of pad, perform subgroups 3 and 4 of group A tests." and substitute "Perform seal test immediately preceding the A2 electrical tests. Relay leads shall be formed and the mounting pad removed before the seal test. After the seal test, the mounting pad shall be rigidly attached to the relay and the remaining group A tests performed (The seal test is not performed with group A4.)."

The margins of this amendment are marked with asterisks 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 on the entire content irrespective of the marginal notations and relationship to the last previous amendment.

Custodians:
Army - CR
Navy - EC
Air Force - 11
DLA - CC

Preparing activity:
DLA-CC

(Project 5945-1223-01)

Review activities:
Army - AR
Navy - AS, MC, OS, SH
Air Force - 99