

MILITARY SPECIFICATION

CIRCUIT BREAKERS, MAGNETIC, LOW-POWER,
SEALED, TRIP-FREE,
GENERAL SPECIFICATION FOR

This amendment forms a part of MIL-C-39019C, dated 13 October 1987, and is approved for use by all Departments and Agencies of the Department of Defense.

PAGE 1

2.1.1, SPECIFICATIONS, FEDERAL, delete: "QQ-P-416 - Plating, Cadmium (Electrodeposited)."

PAGE 3

3.4.4, after the last sentence, add the following: "The actuator shall not work to an intermediate position, give a false trip indication, or be removable from the circuit breaker."

3.4.8.1, last two sentences, delete and substitute: "The terminal design shall be hook style for configuration 1, and screw terminals for configuration 2."

3.4.8.3, delete and substitute:

3.4.8.3 "Solderability of hook terminals. Hook terminals shall be treated to facilitate soldering. Coating such as hot solder dip is acceptable."

PAGE 6

3.14, first sentence, delete and substitute: "When circuit breakers are tested as specified in 4.7.11, no contact shall fail to open or close its individual circuit in proper sequence, and there shall be no evidence of mechanical damage or loosening of parts."

PAGE 7

3.25.1, first sentence, delete and substitute: "The following information shall be marked on the circuit breaker in accordance with MIL-STD-1285, as a minimum:"

PAGE 8

TABLE III, Applicable specification column, delete: "QQ-P-416".

PAGE 12

4.6.1.1.1.1, delete and substitute:

4.6.1.1.1.1 "Sampling plan. Group A inspection shall be on an inspection lot basis. Samples shall be selected in accordance with table VI-1, based on the inspection lot. If there are one or more failures, the inspection lot shall be considered to have failed."

TABLE VI, AQL columns, delete in their entirety.

TABLE VI, Examination or test, delete "Resistance or impedance" and all applicable information.

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4.6.1.1.2, delete and substitute:

4.6.1.1.2 "Rejected lots. If an inspection lot is rejected, the supplier may rework it to correct the defects or 100 percent inspect the lot and remove all defective parts. Reworked lots shall be resubmitted for inspection. Such lots shall be separated from new lots and shall be clearly identified as reinspected lots. If one or more defects are found in this second sample, the lot shall be rejected and shall not be supplied to this specification."

Following TABLE VI, add new table VI-1:

"TABLE VI-1. Group A, zero defect sampling plan.

Lot size		Sample size
1	- 13	100 percent
14	- 150	13
151	- 280	20
281	- 500	29
501	- 1,200	34
1,201	- 3,200	42
3,201	- 10,000	50
10,001	- 35,000	60
35,001	- 150,000	74
150,001	- 500,000	90
500,001	and up	102

PAGE 17

4.7.11, after the first sentence, add the following: "Circuit breakers shall be continuously monitored and recorded to determine whether any contact has failed to open or close its individual circuit in the proper sequence."

PAGE 18

Fifth line: Delete "(see 6.5.4)" and substitute "(see 6.6.4)".

PAGE 24

6.4, lines four, eight, and nine: Delete "table VI" and substitute "table VII" four places.

6.4.4, line two: Delete "table VI" and substitute "table VII".

PAGE 27

TABLE VII, Group No. 15, delete "cadmium, plated and chromated".

PAGE 29

After 40.1, add the following new paragraph:

"40.2 Qualification of circuit breakers of the configuration 1 type will also grant qualification to circuit breakers that are of the configuration 2 type provided that the type 2 are subjected to and pass the group III qualification inspection tests in TABLE IV. Six sample units shall be selected from MIL-C-39019/6, configuration 2, and qualification will be extended to MIL-C-39019/1 through MIL-C-39019/6. Additionally, six samples may be selected from MIL-C-39019/4, configuration 2, and qualification will be extended to MIL-C-39019/1 through MIL-C-39019/4."

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CONCLUDING MATERIAL

Custodians:

Army - ER
Navy - EC
Air Force - 85

Review activities:

Army - MI
Air Force - 99
NASA - NA
DLA - ES

User activities:

Army - AV, AT
Navy - AS, MC
Air Force - 19

Preparing activity:

Army - ER

Agent:

DLA - ES

(Project 5925-0232)