

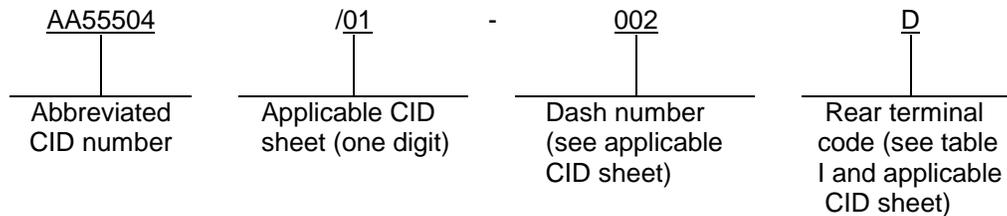
[INCH-POUND]
A-A-55504A
January 29, 2001
SUPERSEDING
A-A-55504
November 7, 1994

COMMERCIAL ITEM DESCRIPTION

FUSEHOLDER, EXTRACTOR POST, WHICH ACCOMMODATES 3AG (.25 INCH (IN) X 1.25 IN (6.35 MILLIMETERS (MM) X 31.75 MM)) OR .196 IN X .787 IN (5 MM X 20 MM) FUSE CARTRIDGES

The General Services Administration has authorized the use of this commercial item description (CID) for all federal agencies.

1. SCOPE. This CID covers the general requirements for extractor post fuseholders that accommodate 3AG or 5 mm x 20 mm fuse cartridges. Requirements for specific fuses are covered in the individual CID sheets. Fuseholders covered by this CID are intended for commercial/industrial applications.
2. CLASSIFICATION. This CID uses a classification system which is included in the Part Identification Number (PIN) as shown in the following example (see 7.1).



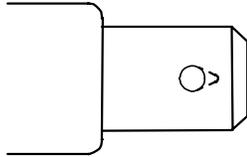
3. SALIENT CHARACTERISTICS.

TABLE I. Terminals.

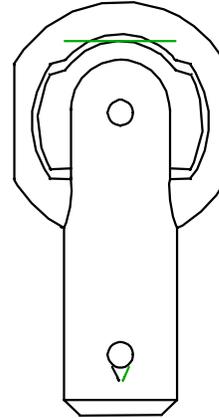
Rear terminal code	Rear terminal configuration
A	Quick connect .186 inch (4.74 mm) wide in-line (see figure 1).
B	Quick connect .186 inch (4.74 mm) wide right angle (see figure 1).
C	Quick connect .25 inch (6.35 mm) wide in-line (see figure 1).
D	Quick connect .25 inch (6.35 mm) wide right angle (see figure 1).

Beneficial comments, recommendations, additions, deletions, clarifications, etc., and any data which may improve this document should be sent to: Defense Supply Center, Columbus, ATTN: DSCC-VAT, Post Office Box 3990, Columbus, OH 43216-5000, or telephone (614) 692-0548, or facsimile (FAX) (614) 692-6939.

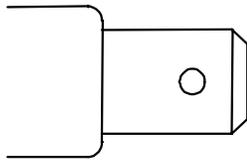
REAR TERMINAL (IN-LINE)
CONFIGURATION A



REAR TERMINAL (RIGHT ANGLE)
CONFIGURATION B



REAR TERMINAL (IN-LINE)
CONFIGURATION C



REAR TERMINAL (RIGHT ANGLE)
CONFIGURATION D

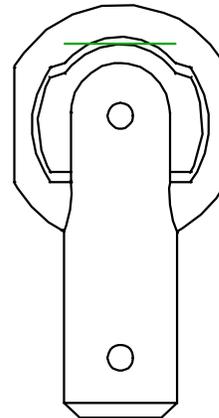


Figure 1. Rear terminal configurations.

- 3.1 Interface and physical dimensions. Fuseholders supplied to this CID shall be as specified on the applicable CID sheet.
- 3.2 Ampere rating. The ampere rating shall be 20 amperes maximum.
- 3.3 Voltage rating. The voltage rating shall be 250 V ac maximum.
- 3.4 Terminal plating. Terminals shall be tin plated brass. Use of pure tin plating is prohibited as a final finish and as an undercoat. Use of tin-lead (Sn-Pb) finishes are acceptable provided that the minimum lead content is 3 percent.
- 3.5 Rear terminal configuration (RTC). The RTC shall be in accordance with NEMA DC 2 and as specified in table I and on the applicable CID sheet. The RTC codes A and B may be supplied with a tear-drop shaped hole.
- 3.6 Insulation resistance. The insulation resistance shall be 10,000 megohms minimum at 500 V dc in accordance with IEC 60127-6.
- 3.7 Contact resistance. The contact resistance shall be less than 0.005 ohm average at currents up to 1 ampere in accordance with IEC 60127-6.
- 3.8 Dielectric strength. The dielectric strength shall be 4000 volts minimum.
- 3.9 Ambient temperature. The ambient temperature shall be -40°C to +85°C.
- 3.10 Vibration. Fuseholders shall withstand 10-500 hertz, .03 inch constant amplitude or 10 g's constant acceleration.
- 3.11 Fuseholder body material. The fuseholder body shall be thermoplastic with a UL 94HB flammability rating as a minimum.
- 3.12 Knob material. The knob material shall be either gray thermoplastic for the screwdriver slotted knob or black thermoplastic for the finger grip knob with a UL 94HB flammability rating as a minimum.
- 3.13 Spacer material. The spacer shall be either neoprene or polycarbonate with a UL 94HB flammability rating as a minimum.
- 3.14 Mounting hex nut material. The mounting hex nut shall be of either black polycarbonate or thermoplastic with a UL 94HB flammability rating as a minimum.
- 3.15 Mounting. Threaded styles shall withstand 15 pounds per inch mounting torque. Maximum panel thickness .311 inch (7.90 mm).
- 3.16 Mounting holes. Mounting holes shall be as specified on the applicable CID sheet.
- 3.2 Marking. Fuseholders supplied to this CID shall be marked with the manufacturer's (MFR's) standard commercial PIN.
4. REGULATORY REQUIREMENTS. The offeror/contractor is encouraged to use recovered materials to the maximum extent practicable, in accordance with paragraph 23.403 of the Federal Acquisition Regulation (FAR).
5. PRODUCT CONFORMANCE PROVISIONS.
- 5.1 Product conformance. The products provided shall meet the salient characteristics of this CID, conform to the producer's own drawings, specifications, standards, and quality assurance practices, and be the same product offered for sale in the commercial market. The Government reserves the right to require proof of such conformance.

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5.2 Market acceptance. The following market acceptance criteria are necessary to document the quality of the product to be provided under this CID:

- a. The company producing the item must have been producing a product meeting the requirements of this CID for at least 2 years.
- b. The company must have sold 1,000 units meeting this CID in the commercial marketplace over the past 2 years.

6. PACKAGING. Preservation, packing, and marking shall be as specified in the contract or order.

7. NOTES.

7.1 PIN. The PIN should be used for Government purposes to buy commercial products to this CID. See section 2 for PIN format example.

7.2 Commercial and Government Entity (CAGE) code. For ordering purposes, inventory control, and submission of these fuses to DSCC under the Military Parts Control Advisory Group (MPCAG) evaluation program, CAGE code 58536 should be used.

7.3 Source of documents.

Other Publications

INTERNATIONAL ELECTROTECHNICAL COMMISSION (IEC)

IEC 60127-6 - Fuse-holders for Miniature Cartridge Fuse-links.

(Applications for copies should be addressed to the International Electrotechnical Commission, 3 Rue De Varembe', Geneva, Switzerland.)

(Industry association specifications and standards are generally available for reference from libraries. They are also distributed among technical groups and using Federal agencies.)

7.4 Ordering data. The contract or order should specify the following:

- a. CID document number, revision, and CID PIN.
- b. Product conformance provisions.
- c. Packaging requirements.

7.5 Government users. To acquire information on obtaining these fuses from the Government inventory system, contact Defense Supply Center, Columbus, ATTN: DSCC-CSBA, Post Office Box 3990, Columbus, OH 43216-5000, or telephone (614) 692-7600.

MILITARY INTERESTS:

Custodians:
Navy - EC

CIVIL AGENCY COORDINATING ACTIVITY:

GSA - 7FXE

Preparing Activity:

DLA-CC

Project 5920-0700