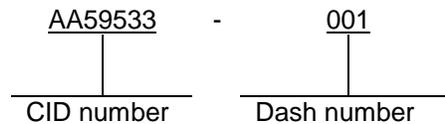


COMMERCIAL ITEM DESCRIPTION

FUSEHOLDER, BLOCK, 5 AMPERE (A), 125 VOLTS (V) AC/DC, SURFACE MOUNT (SM), GENERAL REQUIREMENTS FOR.

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

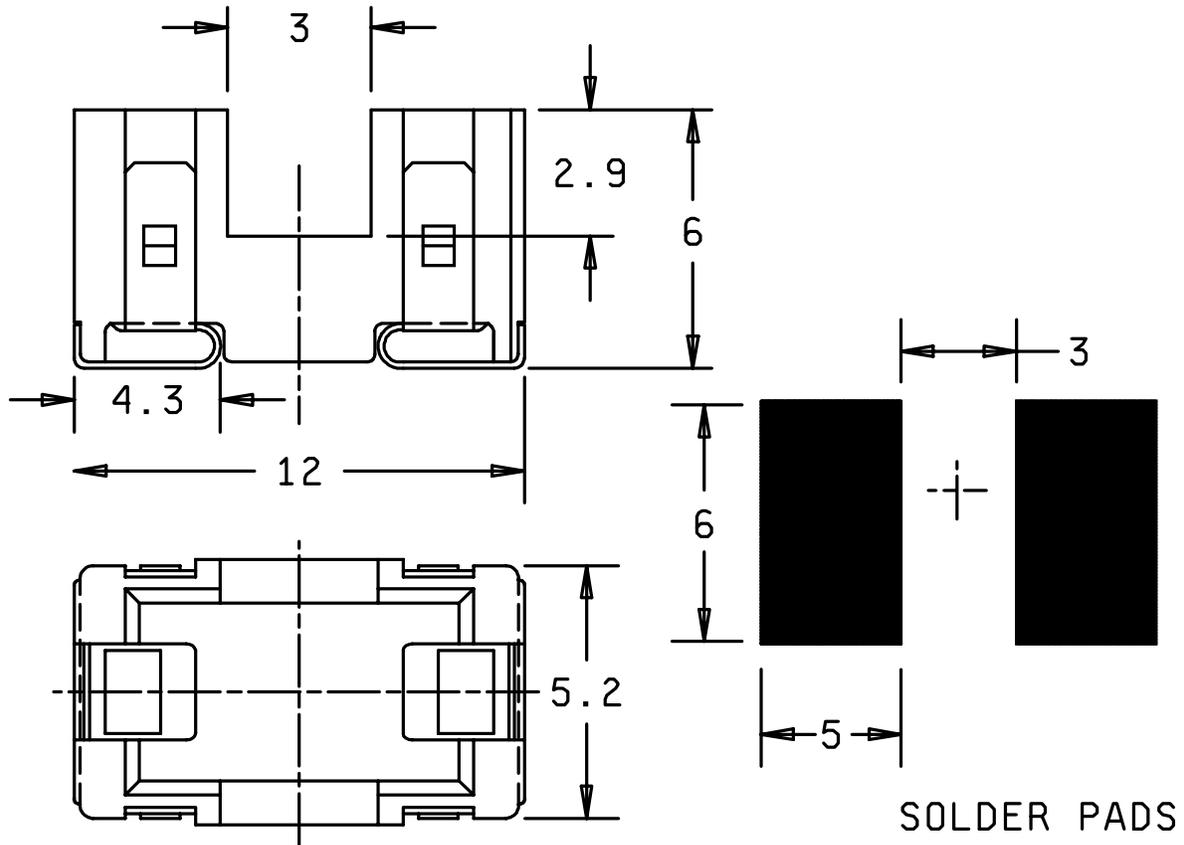
1. **SCOPE.** This CID covers the general requirements for a surface mount, fuseholder block. Fuseholder blocks covered by this CID are intended for commercial/industrial applications.
2. **CLASSIFICATION.** This CID uses a classification system which is included in the Part Identification Number (PIN) as shown in the following example (see 7.1).



3. SALIENT CHARACTERISTICS.

- 3.1 Interface and physical dimensions. Fuseholders supplied to this CID shall be as specified herein (see figure 1).
- 3.2 Ampere rating. The ampere rating shall be 5 A maximum.
- 3.3 Voltage rating. The voltage rating shall be 125V ac/dc.
- 3.4 Ambient temperature maximum. The ambient temperature shall be -40°C (-40°F) to +85°C (185°F).
- 3.5 Vibration resistance. Fuseholders shall meet vibration requirements in accordance with IEC 68-2-6, Test Tc. (10-500 Hz (1,000 Hz) amplitude, 0.75mm resp. acceleration 100 m/s² (10g)).
- 3.6 Shock resistance. Fuses shall meet the shock requirements in accordance with IEC 68-2-27.
- 3.7 Power dissipation. 1.186 watts at 136.4°C (277.52 °F); 0.724 watts at 94°C (201.2 °F); 0.532 watts at 75.9°C (168.62 °F);

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, 3990 East Broad Street, Columbus, OH 43216-5000, or telephone (614) 692-0548, or facsimile (FAX) (614) 692-6939.



mm	Inches	mm	Inches
2.9	.114	5.2	.205
3.0	.118	6.0	.236
4.3	.169	12.0	.472
5.0	.197		

NOTES:

1. Dimensions are in millimeters.
2. Tolerance is ± 0.13 mm (0.005 inch), unless otherwise specified.
3. The US Government preferred system of measurement is the metric SI system. However, this item was originally designed using inch-pound units of measurement. In the event of conflict between the metric and inch-pound units, the inch-pound units shall take precedence.

FIGURE 1. Configuration and dimensions.

3.8 Materials.

3.8.1 Housing material. The fuseholders shall be temperature resistance thermoplastic with a UL 94VO flammability rating as a minimum.

3.8.2 Terminal plating. Terminals shall be tin-plated copper alloy. 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.

3.9 Compatible fuse. Fuses A-A-59532/1 and A-A-59532/3 rated at 5 amperes or less are compatible and may be used with this fuseholder.

3.10 Marking. Fuseholders supplied to this CID shall be marked with the manufacturer's (MFR) standard commercial PIN.

REGULATORY REQUIREMENTS.

4.1 Recycled/recovered materials. 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. QUALITY ASSURANCE 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.

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 6 months.
- b. The company must have sold 1,000 units meeting this CID in the commercial marketplace over the past 6 months.

6. PACKAGING.

6.1 Preservation, packing, and marking. Preservation, packing, and marking shall be as specified in the contract or order. In addition, these fuseholders may be supplied individually, in a quantity of 750 or 1,500 on a 30.4 mm (1.197 inches) wide tape reel in accordance with IEC 286-3.

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 fuseholders to DSCC under the Military Parts control Advisory Group (MPCAG) evaluation program, CAGE code 58536 should be used.

A-A-59533

7.3 Source of documents.

Commercial Item Description

- A-A-59532/1 Fuse, Inclosed Link, Surface Mount (SM), 63 Volts (V) AC/DC, Quick Acting.
- A-A-59532/3 Fuse, Inclosed Link, Surface Mount (SM), 125 Volts (V) AC/DC, Quick Acting, High Breaking Capacity.

(Copies of commercial item descriptions are available from the Defense Printing Service Detachment Office, Building 4D (Customer Service), 700 Robbins Avenue, Philadelphia, PA 19111-5094.)

Other Publications

INTERNATIONAL ELECTROTECHNICAL COMMISSION (IEC)

- IEC-68-2-6 - Environmental Testing – Part 2: Tests – Test Fc: Vibration (Sinusoidal).
- IEC-68-2-27 - Environmental Testing – Part 2: Tests – Test Ea and Guidance: Shock.
- IEC 286-3 - Packaging of Leadless Components on Continuous Tape.

(Applications for copies should be addressed to the International Electrotechnical Commission, 3 Rue De Varembe', PO Box 131, Geneve, Switzerland CH-1211.)

UNDERWRITERS LABORATORIES, INCORPORATED (UL)

- UL 94 - Safety Tests for Flammability of Plastic Materials for Parts in Devices and Appliances, Standard For.

(Applications for copies should be addressed to the Underwriters Laboratories, Incorporated, 333 Pfingsten Road, Northbrook, IL 60062-2096.)

(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. Quality assurance provisions.
- c. Packaging requirements.

7.5 Commercial products. As part of the market analysis and research effort, this CID was coordinated with the following manufacturers of commercial products. At the time of CID preparation and coordination, these manufacturers were known to have commercial products that would meet the requirements of this CID. (NOTE: This information should not be considered as a list of approved manufacturers or be used to restrict procurement to only the manufacturers shown.)

<u>Manufacturer's CAGE</u>	<u>Manufacturer's name and address</u>
61935	Schurter, Incorporated 1016 Clegg Court Petaluma, CA 94954-1152 (707) 778-6311

7.6 Part number (P/N) supersession data. This CID supersedes the following manufacturers' P/N's as shown. This information is being provided to assist in reducing proliferation in the government inventory system.

TABLE II. P/N supersession data.

CID dash number (see table I)	Vendor commercial P/N <u>1/</u>	
	MFR's CAGE	MFR's P/N <u>1/</u>
AA59533-001	61935	0031.7701.11

1/ The manufacturer's P/N shall not be used for procurement to the requirements of this CID. At the time of preparation of this CID, the aforementioned commercial products were reviewed and could be replaced by the CID P/N shown.

7.7 Government users. To acquire information on obtaining these fuseholders from the Government inventory system, contact Defense Supply Center, Columbus, ATTN: DSCC-CS, Post Office Box 3990, Columbus, OH 43216-5000, or telephone (614) 692-7990.

CIVIL AGENCY COORDINATING ACTIVITY:

GSA - 7FXE

Preparing Activity:

DLA-CC

Project 5920-0619