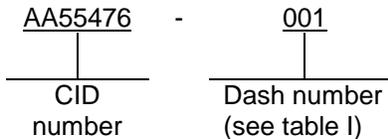


COMMERCIAL ITEM DESCRIPTION

FUSE, CARTRIDGE, TYPE SFE

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

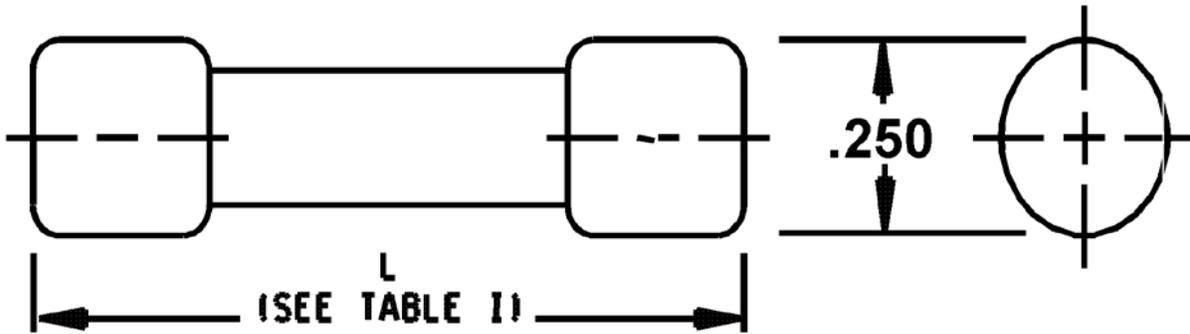
1. **SCOPE.** This commercial item description (CID) covers the general requirements for an SFE type fuse cartridge. Fuse cartridges covered by this CID are intended for commercial/industrial applications.
2. **CLASSIFICATION/PART OR IDENTIFICATION NUMBER (PIN).** This CID uses a classification system which is included in the PIN as shown in the following example (see 7.1).



3. SALIENT CHARACTERISTICS.

- 3.1 **Interface and physical dimensions.** Fuse cartridges supplied to this CID shall be as specified herein and shall meet the requirements of [SAE J554](#) for fuse cartridges (see [figure 1](#)).
- 3.2 **Ampere rating.** The ampere rating shall be as specified in [table I](#).
- 3.3 **Voltage rating.** The voltage rating shall be 32 V dc.
- 3.4 **Fuse body.** The fuse body shall be glass.
- 3.5 **Opening time.** The opening time shall be as specified in [table II](#).
- 3.6 **Corresponding fuseholder.** The corresponding fuseholder is specified in [A-A-55475](#).
- 3.7 **Marking.** Fuses supplied to this CID shall be marked with the manufacturer's (MFR's) standard commercial PIN. (NOTE: The part number marked on the unit pack shall be the CID PIN.)
- 3.8 **Recycled, recovered, or environmentally preferable materials.** Recycled, recovered, or environmentally preferable materials should be used to the maximum extent possible provided that the material meets or exceeds the operational and maintenance requirements, and promotes economically advantageous life cycle costs.

Beneficial comments, recommendations, additions, deletions, clarifications, etc., and any data that may improve this document should be sent to: DLA Land and Maritime, ATTN: VAT, P.O. Box 3990, Columbus, OH 43218-3990, or email <mailto:CircuitProtect@dla.mil>. Since contact information can change you may want to verify the currency of the address information using the ASSIST Online database at <https://assist.daps.dla.mil/>.



Inches	mm
.250	6.35

NOTES:

1. Dimensions are in inches.
2. Tolerance is ± 0.005 inch (0.13 mm), unless otherwise specified.

FIGURE 1. Configuration and dimensions.

TABLE I. Electrical characteristics.

CID PIN AA55476-	Ampere rating	Fuse dimension L (inches)	Fuse dimension L (metric)
001	4	.625	15.88
002	6	.750	19.05
003	7.5	.875	22.23
004	9	.857	22.23
005	14	1.062	26.99
006	20	1.250	31.75
007	30	1.437	36.50

TABLE II. Percent rated current versus opening time.

Percent rated current	Opening time
110 percent	4 hours, minimum
135 percent	1 hour, maximum
200 percent	10 seconds, maximum

3.10 Workmanship. Fuses shall be processed in such a manner as to be uniform in quality and shall be free from other defects that will affect life, serviceability, or appearance.

4. REGULATORY REQUIREMENTS. The offeror/contractor is encouraged to use recovered materials to the maximum extent practicable, in accordance with 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.

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 producing the item 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 Environmentally preferable materials. Environmentally preferable materials should be used to the maximum extent possible to meet the requirements of this specification. As of the dating of this document, the U.S. Environmental Protection Agency (EPA) is focusing efforts on reducing 31 priority chemicals. The list of chemicals and additional information is available on their website <http://www.epa.gov/osw/hazard/watemin/priority.htm>. Included in the EPA list of 31 priority chemicals are cadmium, lead, and mercury. Use of these materials should be minimized or eliminated unless needed to meet the requirements specified herein (see [section 3](#)).

7.3 Commercial and Government Entity (CAGE) code. For ordering purposes, inventory control, and submission of these fuse cartridges to DLA Land and Maritime under the Military Parts Control Advisory Group (MPCAG) evaluation program, CAGE code 58536 should be used.

7.4 Source of documents.

Commercial Item Description

[A-A-55475](#) - Fuseholder, Extractor Post

(Copies of this document are available online at <https://assist.daps.dla.mil/quicksearch/> or <https://assist.daps.dla.mil> or from the Standardization Document Order Desk, 700 Robbins Avenue, Building 4D, Philadelphia, PA 19111-5094.)

FEDERAL REGULATIONS

[FAR](#) - Federal Acquisition Regulations (FAR)

(Copies of this document are available online at <http://www.acquisition.gov/comp/far/index.html> or from the U.S. Government Printing Office, 732 N. Capital Street, NW, Washington D.C. 20401-0001.)

Other Publications

SOCIETY OF AUTOMOTIVE ENGINEERS (SAE)

[SAE J554](#) - Electronic Fuses (Cartridge Type).

(Copies of this document are available online at <http://www.sae.org/> or from the Society of Automotive Engineers, 400 Commonwealth Drive, Warrendale, PA 15096-0001.)

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

7.5 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.

7.6 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>MFR's CAGE</u>	<u>MFR's name and address</u>
71400	Cooper Bussmann, Incorporated P. O. Box 14460 St. Louis, MO 63178-4460 Phone number (636) 394-2877 Facsimile number (800) 544-2570 E-mail: mailto:fusebox@cooperindustries.com Uniform Resource Locator (URL): http://www.cooperindustries.com
75915	Littelfuse Incorporated 8755 W. Higgins Road; Suite 500 Chicago, IL 60631-2708 Phone number (800) 999-9445 Facsimile number (847) 391-0753 E-mail: mailto:electronics@littelfuse.com URL: http://www.littelfuse.com

7.7 Part number (P/N) supersession data. This CID PINs supersede the following MFR's P/N's as shown. This information is being provided to assist in reducing proliferation in the Government inventory system.

TABLE IV. P/N supersession data.

CID dash number AA55476-	MFR's CAGE 71400	MFR's CAGE 75915
	MFR's P/N <u>1/</u>	MFR's P/N <u>1/</u>
001	SFE4	SFE4
002	SFE6	SFE6
003	SFE7.5	SFE7.5
004	SFE9	SFE9
005	SFE14	SFE14
006	SFE20	SFE20
007	SFE30	SFE30

1/ The manufacturer's P/N shall not be used for acquisition 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 For actual part marking requirements see 3.7.

7.8 Government users. To acquire information on obtaining these fuse cartridges from the Government inventory system, contact DLA Land and Maritime, ATTN: DLA Land and Maritime-FMX, Post Office Box 3990, Columbus, OH 43218-3990, or telephone (614) 692-3677.

7.8.1 National stock number (NSN). The following is a list of NSN's assigned which correspond to this CID. The list is for information only and may not be indicative of all possible NSN's associated with the CID. For up to date information on assigned NSN's, please contact the aforementioned DSCC office (See 7.7).

TABLE V. NSN's.

Dash number (see table I) AA55476-	NSN
001	5920-00-285-0227
002	5920-00-295-7786
003	5920-01-046-9210
004	5920-00-014-7684
005	5920-00-280-4007
006	N/A
007	5920-00-014-7686

7.9 Changes from previous issue. Marginal notations are not used in this revision to identify changes with respect to the previous issue due to the extensiveness of the changes.

MILITARY INTERESTS:

Custodians:
Navy - EC
DLA - CC

CIVIL AGENCY COORDINATING ACTIVITY:

GSA - FAS

Preparing activity:

DLA-CC

Project 5920-2012-013

NOTE: The activities listed above were interested in this document as of the date of this document. Since organizations and responsibilities can change, you should verify the currency of the information above using the ASSIST Online database at <https://assist.daps.dla.mil>.