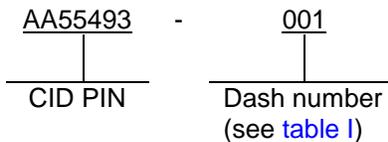


## COMMERCIAL ITEM DESCRIPTION

### FUSE CARTRIDGE, SEMICONDUCTOR TYPE, 150 VOLTS

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 150 volt semiconductor type fuse cartridges. 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).



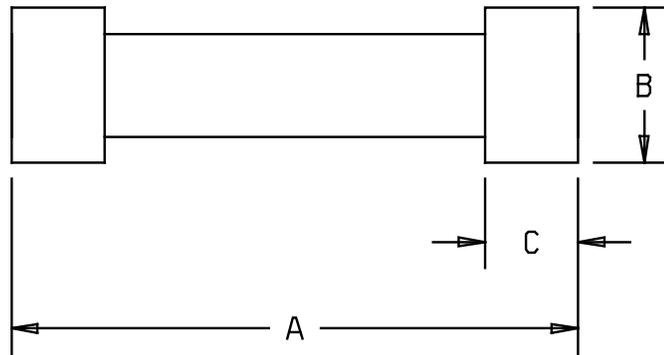
### 3. SALIENT CHARACTERISTICS.

- 3.1 **Interface and physical dimensions.** Fuse cartridges supplied to this CID shall be as specified herein (see [figure 1](#) and [figure 2](#)).
- 3.2 **Ampere rating.** The ampere rating shall be as specified in [table I](#).
- 3.3 **Voltage rating.** The voltage rating shall be 150 V ac maximum.
- 3.4 **Short circuit interrupt rating.** The short circuit interrupt shall be 100,000 amperes root mean square (RMS) symmetrical.
- 3.5 **Maximum current clearing  $I^2t$ .** The maximum current clearing  $I^2t$  shall be as specified in [table I](#).
- 3.6 **Marking.** Fuse cartridges 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.)

Beneficial comments, recommendations, additions, deletions, clarifications, etc., and any data that may improve this document should be sent to: DLA Land and Maritime, ATTN: DLA Land and Maritime-VAT, P.O. Box 3990, Columbus, OH 43218-3990, or email [CircuitProtect@dla.mil](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.dla.mil>.



A-A-55493E



AA55493-	Dimensions		
	A	B	C
001 through 006	1.500 (38.10)	.406 (10.31)	.374 (9.50)
007 through 011	2.000 (50.80)	.813 (20.65)	.820 <del>(20.83)</del> .495 (12.57)

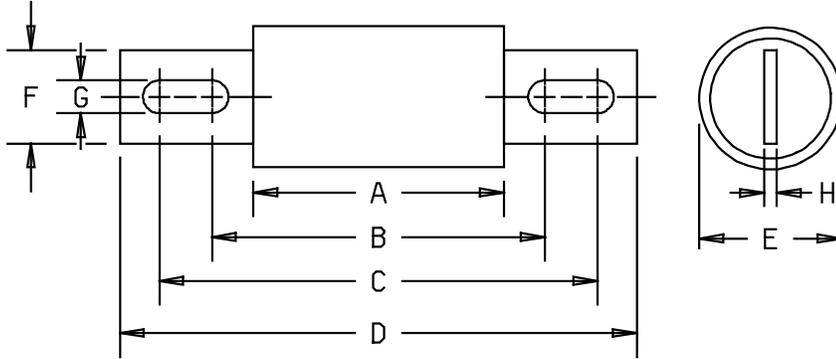
Configuration A

NOTES:

1. Dimensions are in inches.
2. Unless otherwise specified, tolerance is  $\pm 0.005$  inch (0.13 mm).

FIGURE 1. Configuration A and dimensions.

A-A-55493E



AA55493-	Dimensions							
	A	B	C	D	E	F	G	H
012 through 014	1.626 (41.30)	1.911 (48.54)	2.194 (55.73)	2.657 (67.49)	1.130 (28.70)	.880 (22.35)	.312 (7.92)	.188 (4.78)
					.810 (20.57)	.745 (18.92)		
015 through 021	.837 (21.26)	1.869 (47.47)	2.151 (54.64)	3.500 (88.90)	1.130 (28.70)	.880 (22.36)	.406 (10.31)	.251 (6.38)
					.995 (25.27)	.745 (18.92)		
022 through 023	1.255 (31.88)	2.379 (60.43)	2.568 (65.23)	3.500 (88.90)	1.505 (38.23)	1.000 (25.40)	.406 (10.31)	.251 (6.38)
	.837 (21.26)				1.101 (27.97)			
024	1.257 (31.93)	1.932 (49.07)	2.495 (63.37)	3.500 (88.90)	1.600 (40.64)	1.000 (25.40)	.406 (10.31)	.251 (6.38)
	.963 (24.46)				1.101 (27.97)			

Configuration B

NOTES:

1. Dimensions are in inches.
2. Unless otherwise specified, tolerance is  $\pm .005$  inch (0.13 mm).

FIGURE 2. Configuration B and dimensions.

TABLE I. Electrical characteristics.

AA55493-	Ampere rating	I <sup>2</sup> t (A <sup>2</sup> s)	AA55493-	Ampere rating	I <sup>2</sup> t (A <sup>2</sup> s)
001	5	150	013	80	41,000
002	10	255	014	100	75,000
003	15	310	015	125	110,000
004	20	330	016	150	175,000
005	25	372	017	200	210,000
006	30	400	018	250	355,000
007	35	975	019	300	460,000
008	40	1,200	020	350	570,000
009	45	1,570	021	400	640,000
010	50	1,810	022	500	710,000
011	60	2,150	023	600	875,000
012	70	25,000	024	800	950,000

3.7 Recycled, recovered, or environmentally preferable, or biobased materials. Recycled, recovered, or environmentally preferable, or biobased 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.

3.8 Workmanship. Fuse cartridges 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 the classification section for PIN format example.

7.2 Environmentally preferable material. 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 is available on their website at <http://www.epa.gov/osw/hazard/wastemin/priority.htm>. Use of these materials on the list 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.

FEDERAL REGULATIONS

FAR - Federal Acquisition Regulations (FAR).

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

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>
067U2	DENCO Fuses, Incorporated 8244 S.W. 103 Avenue Miami, FL 33173-3906 Phone number: (305) 273-6226 Facsimile number: (305) 273-4335 E-mail: <a href="mailto:info@dencofuses.com">info@dencofuses.com</a> Uniform Resource Locator (URL): <a href="https://www.dencofuses.com">https://www.dencofuses.com</a>
71400	Cooper Bussmann, LLC 114 Old State Road Ellisville, MO 63021-5915 Phone number (636) 394-2877 Facsimile number (636) 527-1415 E-mail: <a href="mailto:BussCustS@eaton.com">BussCustS@eaton.com</a> URL: <a href="http://www.eaton.com">http://www.eaton.com</a>
75915	Littelfuse Incorporated 8755 W. Higgins Road, Suite 500 Chicago, IL 60631-2701 Phone number (773) 628-1000 E-mail: <a href="mailto:electronics@littelfuse.com">electronics@littelfuse.com</a> URL: <a href="http://www.littelfuse.com">http://www.littelfuse.com</a>

7.7 Part number (P/N) supersession data. These 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 III. P/N supersession data.

CID dash number (see <a href="#">table I</a> ) AA55493-	Vendor Commercial P/N <sup>1/</sup>		
	CAGE 067U2	CAGE 71400	CAGE 75915
001	UFR15P005	FWA-5A10F	L15S5
002	UFR15P010	FWA-10A10F	L10S10
003	UFR15P015	FWA-15A10F	L15S15
004	UFR15P020	FWA-20A10F	L15S20
005	UFR15P025	FWA-25A10F	L15S25
006	UFR15P030	FWA-30A10F	L15S30
007	UFR15P035	FWA-35A21F	L15S35
008	UFR15P040	FWA-40A21F	L15S40
009	UFR15P045	FWA-45A21F	L15S45
010	UFR15P050	FWA-50A21F	L15S50
011	UFR15P060	FWA-60A21F	L15S60
012	UFR15P070	FWA-70B	L15S70
013	UFR15P080	FWA-80B	L15S80
014	UFR15P100	FWA-100B	L15S100
015	UFR15P125	FWA-125B	L15S125
016	UFR15P150	FWA-150B	L15S150
017	UFR15P200	FWA-200B	L15S200
018	UFR15P250	FWA-250B	L15S250
019	UFR15P300	FWA-300B	L15S300
020	UFR15P350	FWA-350B	L15S350
021	UFR15P400	FWA-400B	L15S400
022	UFR15P500	FWA-500B	L15S500
023	UFR15P600	FWA-600B	L15S600
024	UFR15P800	FWA-800B	L15S800

<sup>1/</sup> 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 PIN shown. For actual part marking requirements, see [3.6](#).

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, P.O. 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 DLA Land and Maritime office (See 7.8).

TABLE IV. NSN's.

Dash number (see table I) AA55493-	NSN	Dash number (see table I) AA55493-	NSN
001	N/A	013	N/A
002	N/A	014	N/A
003	5920-00-070-4681	015	N/A
004	N/A	016	N/A
005	N/A	017	N/A
006	N/A	018	N/A
007	N/A	019	N/A
008	N/A	020	N/A
009	N/A	021	N/A
010	N/A	022	N/A
011	N/A	023	5920-01-158-9052
012	N/A	024	5920-01-262-0872

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 5920-2016-002

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.dla.mil>.