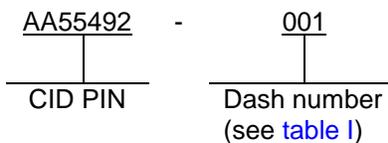


COMMERCIAL ITEM DESCRIPTION

FUSE CARTRIDGE, SEMICONDUCTOR TYPE, 130 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 130 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).



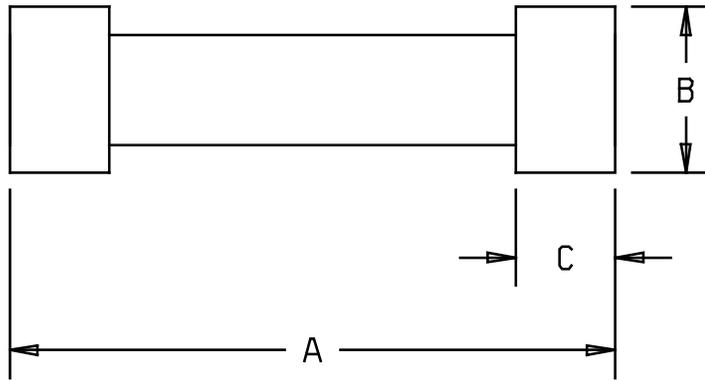
3. SALIENT CHARACTERISTICS.

- 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 130 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. 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-55492E



AA55492-	Dimensions		
	A	B	C
001 through 006	1.500 (38.10)	.406 (10.31)	.374 (9.50)
007 through 011	2.000 (50.80)	.811 (20.60)	.631 (16.03) .495 (12.57)

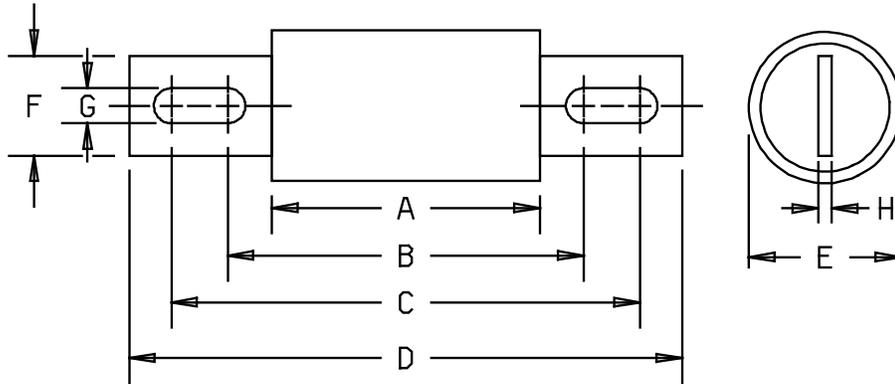
Configuration A

NOTES:

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

FIGURE 1. Configuration A and dimensions.

A-A-55492E



AA55492-	Dimensions							
	A	B	C	D	E	F	G	H
012 through 021	1.157	1.890	2.194	2.657	1.130	.880	.332	.188
	(29.38)	(48.01)	(55.73)	(67.48)	(28.70)	(22.35)	(8.43)	
			2.151		.995	.745	.306	(4.78)
			(54.64)		(25.27)	(18.92)	(7.77)	

Configuration B

NOTES:

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

FIGURE 2. Configuration B and dimensions.

TABLE I. Electrical characteristics.

AA55492-	Ampere rating	I ² t (A ² s)	AA55492-	Ampere rating	I ² t (A ² s)
001	5	7	012	70	19,000
002	10	12	013	80	30,000
003	15	37	014	100	41,000
004	20	95	015	125	55,000
005	25	170	016	150	63,000
006	30	300	017	200	80,000
007	35	400	018	250	110,000
008	40	600	019	300	190,000
009	45	800	020	350	280,000
010	50	1,100	021	400	325,000
011	60	1,500			

3.7 Recycled, recovered, environmentally preferable, or biobased materials. Recycled, recovered, 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: info@dencofuses.com Uniform Resource Locator (URL): https://www.dencofuses.com
71424	Mersen 374 Merrimac Street Newburyport, MA 01950-1930 Phone number: 978-462-6662 E-mail: technicalservices.nby@mersen.com URL: http://www.ep-us.mersen.com/

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 table I)	Vendor commercial P/N ^{1/}		CID dash number (see table I)	Vendor commercial P/N ^{1/}	
	CAGE 067U2	CAGE 71424		CAGE 067U2	CAGE 71424
AA55492-001	UFR13X005	A13X5-2	AA55492-012	UFR13X070	A13X70-4
002	UFR13X010	A13X10-2	013	UFR13X080	A13X80-4
003	UFR13X015	A13X15-2	014	UFR13X100	A13X100-4
004	UFR13X020	A13X20-2	015	UFR13X125	N/A
005	UFR13X025	A13X25-2	016	UFR13X150	A13X150-4
006	UFR13X030	A13X30-2	017	UFR13X200	A13X200-4
007	UFR13X035	A13X35-1	018	UFR13X250	A13X250-4
008	UFR13X040	A13X40-1	019	UFR13X300	A13X300-4
009	UFR13X045	A13X45-1	020	UFR13X350	A13X350-4
010	UFR13X050	A13X50-1	021	UFR13X400	A13X400-4
011	UFR13X060	A13X60-1			

^{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 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) AA55492-	NSN	Dash number (see table I) AA55492-	NSN
001	N/A	012	N/A
002	N/A	013	5920-00-778-3882
003	N/A	014	5920-00-828-0148
004	N/A	015	5920-01-194-1192
005	N/A	016	5920-00-713-4242
006	N/A	017	5920-00-881-2895
007	N/A	018	5920-00-823-0071
008	5920-00-879-8161	019	N/A
009	N/A	020	5920-01-172-5748
010	5920-00-998-2231	021	5920-00-767-9044
011	N/A		

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 5920-2016-001

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>.