

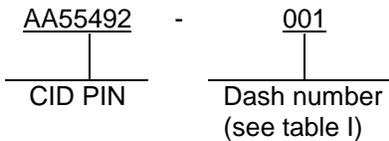
[INCH-POUND]  
A-A-55492B  
May 18, 2001  
SUPERSEDING  
A-A-55492A  
April 14, 1997

## COMMERCIAL ITEM DESCRIPTION

### FUSE CARTRIDGE, SEMICONDUCTOR TYPE, 130 VOLTS

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 130 volt semiconductor type fuse cartridges. Fuse cartridges 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).

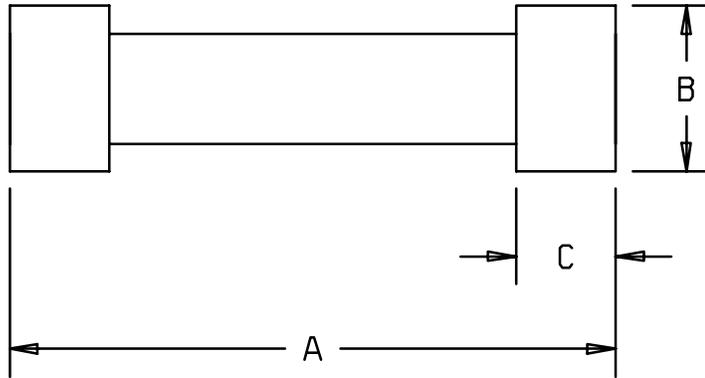


### 3. SALIENT CHARACTERISTICS.

- 3.1 Interface and physical dimensions. Fuse cartridges supplied to this CID shall be as specified herein (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 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<sup>2</sup>t. The maximum current clearing I<sup>2</sup>t shall be as specified in table I.
- 3.6 Marking. Fuse cartridges supplied to this CID shall be marked with the manufacturer's standard commercial PIN.

Beneficial comments recommendations, additions, deletions, clarifications, etc., and any data which may improve this document should be addressed to: Defense Supply Center, Columbus, ATTN: DSCC-VAT, Post Office Box 3990, Columbus, OH 43213-1199, or telephone (614) 692-0548, or facsimile (FAX) (614) 692-6939.

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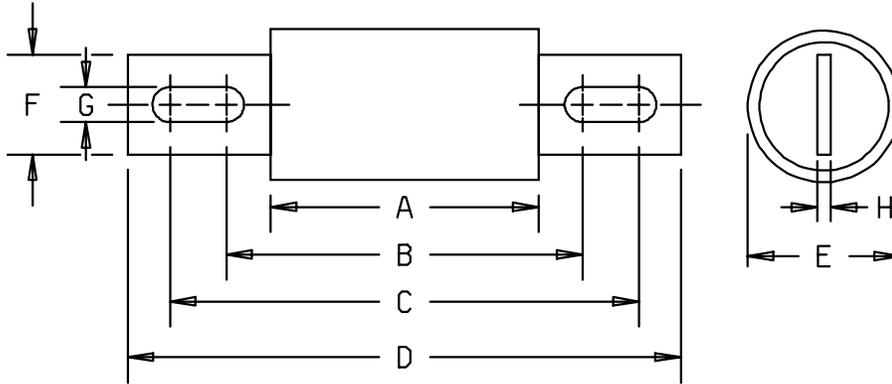
AA55492-	Dimensions		
	A	B	C
001 through 006	1.500 (38.10)	.406 (10.31)	.374 (9.50)
007 through 011	2.000 (50.80)	.811 (20.60)	.631 <del>(16.03)</del> .495 (12.57)

Configuration I

NOTES:

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

FIGURE 1. Configuration and dimensions.



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)	<del>(55.73)</del> 2.151 (54.64)	(67.48)	<del>(28.71)</del> .995 (25.27)	<del>(22.36)</del> .745 (18.92)	<del>(8.43)</del> .306 (7.77)	

Configuration II

NOTES:

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

FIGURE 2. Configuration and dimensions.

TABLE I. Electrical characteristics.

AA55492-	Ampere rating	$I^2t$ (A <sup>2</sup> s)	AA55492-	Ampere rating	$I^2t$ (A <sup>2</sup> 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			

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.

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

7.3 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.

7.4 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	Den Mar Transit Industrial Fuses 10488 S. W. 211 Street Miami, FL 33189-3000 (305) 235-1000
12092	Carbone Lorraine, Incorporated 14 Eastmans Road Parsippany, NJ 07054-3703 Phone number: (973) 503-0600 Facsimile number: (973) 503-0335 E-mail: 104471.13@compuserve.com Uniform Resource Locator (URL): <a href="http://www.carbonelorraine.com">www.carbonelorraine.com</a>
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: <a href="mailto:fusebox@buss.com">fusebox@buss.com</a> URL: <a href="http://www.bussmann.com">www.bussmann.com</a>
75915	Littelfuse Incorporated 800 E. Northwest Highway Des Plaines, IL 60016-3096 Phone number: (847) 824-1188 Facsimile number: (847) 391-0894 E-mail: <a href="mailto:electronics@littelfuse.com">electronics@littelfuse.com</a> URL: <a href="http://www.littelfuse.com">www.littelfuse.com</a>

7.5 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.

CID dash number (see table I)	Vendor commercial P/N <sup>1/</sup>			
	CAGE 067U2	CAGE 12092	CAGE 71400	CAGE 75915
001	UFR13X005	A015F005	---	L13S5
002	UFR13X010	A015F010	---	L13S10
003	UFR13X015	A015F015	---	L13S15
004	UFR13X020	A015F020	---	L13S20
005	UFR13X025	A015F025	---	L13S25
006	UFR13X030	A015F030	---	L13S30
007	UFR13X035	A015F035	---	L13S35
008	UFR13X040	A015F040	---	L13S40
009	UFR13X045	A015F045	---	L13S45
010	UFR13X050	A015F050	---	L13S50
011	UFR13X060	A015F060	---	L13S60
012	UFR13X070	A015R070	---	L13S70
013	UFR13X080	A015R080	---	L13S80
014	UFR13X100	A015R100	---	L13S100
015	UFR13X125	A015R125	KAA 125	L13S125
016	UFR13X150	A015R150	KAA 150	L13S150
017	UFR13X200	A015R200	KAA 200	L13S200
018	UFR13X250	A015R250	KAA 250	L13S250
019	UFR13X300	A015R300	KAA 300	L13S300
020	UFR13X350	A015R350	KAA 350	L13S350
021	UFR13X400	A015R400	KAA 400	L13S400

<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.

7.6 Government users. To acquire information on obtaining these fuses from the Government inventory system, contact Defense Supply Center, Columbus, ATTN: DSCC-CSBB, Post Office Box 3990, Columbus, OH 43216-5000, or telephone (614) 692-7625.

7.6.1 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 7.6).

TABLE III. 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		N/A

## MILITARY INTERESTS:

Custodians:  
Navy - EC

## CIVIL AGENCY COORDINATING ACTIVITY:

GSA - 7FXE

Preparing Activity:

DLA-CC

Project 5920-0690