

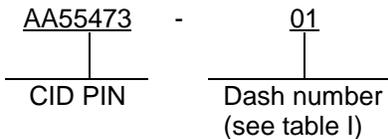
[INCH-POUND]  
A-A-55473A  
December 13, 2000  
SUPERSEDING  
A-A-55473  
October 21, 1993

## COMMERCIAL ITEM DESCRIPTION

### FUSE, PLUG, (TYPE T), TIME DELAY DUAL ELEMENT, EDISON BASE

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

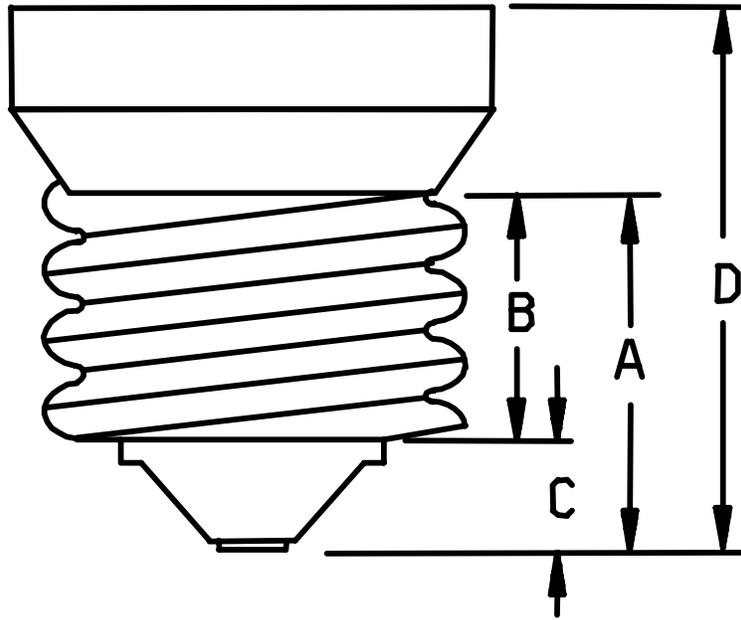
1. **SCOPE.** This CID covers the general requirements for a time delay, dual element type T fuse plug. Fuse plugs covered by this CID are intended for commercial/industrial applications.
2. **CLASSIFICATION.** This CID uses a classification system which is included in the Part Identification Number (PIN) as shown in the following example (see 7.1).



### 3. SALIENT CHARACTERISTICS.

- 3.1 Interface and physical dimensions. Fuse plugs supplied to this CID shall be as specified herein and shall meet the requirements of UL 198F for fuse plugs (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 125 V ac maximum.
- 3.4 Interrupt rating. The interrupt rating shall be 10,000 amperes rms at 125 volts.
- 3.5 Fuse plug base (screw shell). The screw shell shall be of the type S base size in accordance with UL 198F.
- 3.6 Marking. Fuse plugs supplied to this CID shall be marked with the manufacturer's (MFR's) standard commercial PIN and the UL 198F listing mark.

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.



NOTES:

1. Dimensions are in inches.
2. Tolerance is  $\pm 0.005$  inch (0.13 mm), unless otherwise specified.
3. This item was designed using inch-pound units of measurement. In case of problems involving conflicts between the metric and inch-pound units, the inch-pound units shall rule.
4. Dimension A: .85 inch (19.1 millimeters) maximum.
5. Dimension B: Not less than three full threads .43 inch (10.9 millimeters) minimum; seven threads per 1.00 inch (25.0 millimeters) in screw shell.
6. Dimension C: .187 inch (4.80 millimeters) minimum, except that if the extension of the fusible element is externally soldered to the lower edge of the screw shell, the fusible element of the solder shall not be less than .125 inch (3.20 millimeters).
7. Dimension D: 1.375 inches (34.90 millimeters) maximum.

FIGURE 1. Configuration and dimensions.

TABLE I. Electrical characteristics.

CID PIN A-A-55473-	Ampere rating	CID PIN A-A-55473-	Ampere rating
01	.25	19	3.5
02	.3	20	4
03	.4	21	4.50
04	.50	22	5
05	.6	23	5.6
06	.8	24	5.8
07	1	25	6
08	1.125	26	6.25
09	1.250	27	7
10	1.4	28	8
11	1.6	29	9
12	1.8	30	10
13	2	31	12
14	2.25	32	14
15	2.50	33	15
16	2.8	34	20
17	3	35	25
18	3.2	36	30

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

7.3 Source of documents.

Other Publications

UNDERWRITERS LABORATORIES, INCORPORATED (UL)

UL 198F - Plug Fuses, Standard For Safety.

(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. Product conformance 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>MFR's CAGE</u>	<u>MFR's name and address</u>
71400	Cooper Industries Bussmann Division P. O. Box 14460 St. Louis, MO 63178-4460 Phone number: (636) 394-2877 Facsimile number: (800) 544-2570 E-mail: fusebox@buss.com Uniform Resource Locator (URL): www.bussmann.com

7.6 Part number (P/N) supersession data. This CID supersedes 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 II. P/N supersession data.

CID dash number AA55473-	MFR's CAGE 71400	CID dash number AA55473-	MFR's CAGE 71400
	MFR's P/N <u>1/</u>		MFR's P/N <u>1/</u>
01	T 1/4	19	T 3-1/2
02	T 3/10	20	T 4
03	T 4/10	21	T 4-1/2
04	T 1/2	22	T 5
05	T 6/10	23	T 5-6/10
06	T 8/10	24	T 5-8/10
07	T 1	25	T 6
08	T 1-1/8	26	T 6-1/4
09	T 1-1/4	27	T 7
10	T 1-4/10	28	T 8
11	T 1-6/10	29	T 9
12	T 1-8/10	30	T 10
13	T 2	31	T 12
14	T 2-1/4	32	T 14
15	T 2-1/2	33	T 15
16	T 2-8/10	34	T 20
17	T 3	35	T 25
18	T 3-2/10	36	T 30

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. For actual part marking requirements, see 3.6.

7.7 Government users. To acquire information on obtaining these fuse plugs from the Government inventory system, contact Defense Supply Center, Columbus, ATTN: DSCC-CSBA, Post Office Box 3990, Columbus, OH 43216-5000, or telephone (614) 692-8508.

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7.7.1 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 III. NSN's.

Dash number (see table I) AA55473-	NSN	Dash number (see table I) AA55473-	NSN
01	N/A	19	N/A
02	N/A	20	5920-00-144-2534
03	N/A	21	N/A
04	N/A	22	5920-00-683-5515
05	N/A	23	N/A
06	5920-00-866-3363	24	N/A
07	5920-00-284-6452	25	N/A
08	N/A	26	5920-00-845-3389
09	5920-00-564-3535	27	N/A
10	5920-00-931-4231	28	N/A
11	5920-00-564-3537	29	5920-00-224-4331
12	N/A	30	5920-00-296-0482
13	N/A	31	5920-01-037-5160
14	N/A	32	N/A
15	5920-00-931-4230	33	N/A
16	N/A	34	N/A
17	5920-00-729-3722	35	N/A
18	5920-00-240-4129		

MILITARY INTERESTS:

Custodians:  
Navy - EC

CIVIL AGENCY COORDINATING ACTIVITY:

GSA - 7FXE

Preparing Activity:

DLA-CC

Project 5920-0678