

[INCH-POUND]
A-A-55473D
9 May 2012

SUPERSEDING
A-A-55473C
3 May 2007

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 for all federal agencies.

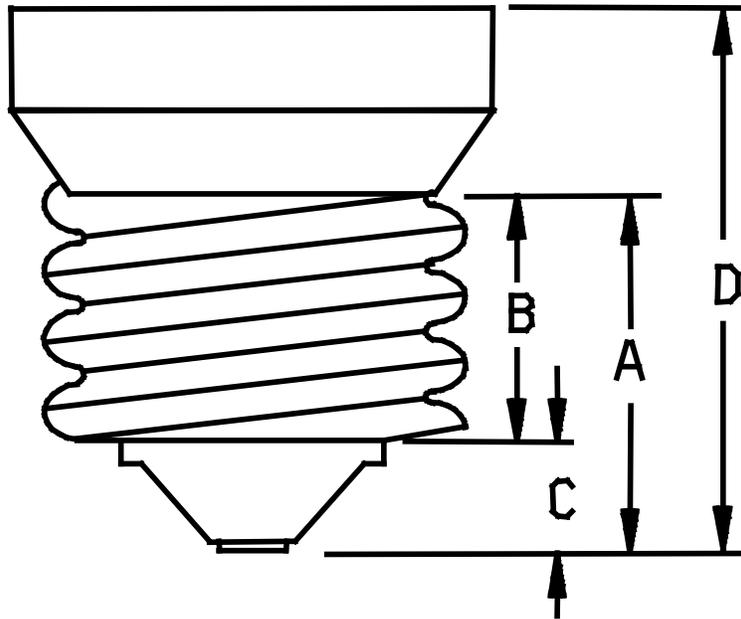
1. SCOPE. This commercial item description (CID) covers the general requirements for a time delay, dual element type T fuse plug. Fuse plugs covered by this CID are intended for commercial/industrial applications.
2. CLASSIFICATION/PART OR IDENTIFICATION NUMBER (PIN). This CID uses a classification system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

AA55473	-	01
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CID PIN		Dash number (see table I)

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 248-11](#) 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 248-11](#).
- 3.6 Marking. Fuse plugs supplied to this CID shall be marked with the manufacturer's (MFR's) standard commercial PIN and the [UL 248-11](#) listing mark. (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: 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/>.



NOTES:

1. Dimensions are in inches.
2. Tolerance is ± 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 AA55473-	Ampere rating	CID PIN AA55473-	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

3.7 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.

3.8 Workmanship. Fuseholders 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 plugs 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 <http://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.)

Other Publications

UNDERWRITERS LABORATORIES, INCORPORATED (UL)

[UL 248-11](#) - Low-Voltage Fuses - Part 11: Plug Fuses, Standard for Safety.

(Copies of this document are available online at <http://www.ul.com/> or from 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.)

7.5 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 acquisition 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

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7.7 Part number (P/N) supersession data. These CID PINs 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 III. 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 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 [3.6](#).

7.8 Government users. To acquire information on obtaining these fuse plugs 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 DLA Land and Maritime office (See 7.8).

TABLE IV. 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		

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 5920-2012-030

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>.