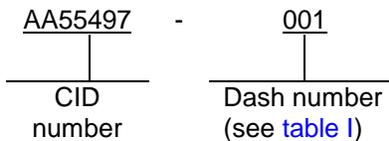


COMMERCIAL ITEM DESCRIPTION  
FUSE LINK, ELECTRICAL, TYPE K (FAST)

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

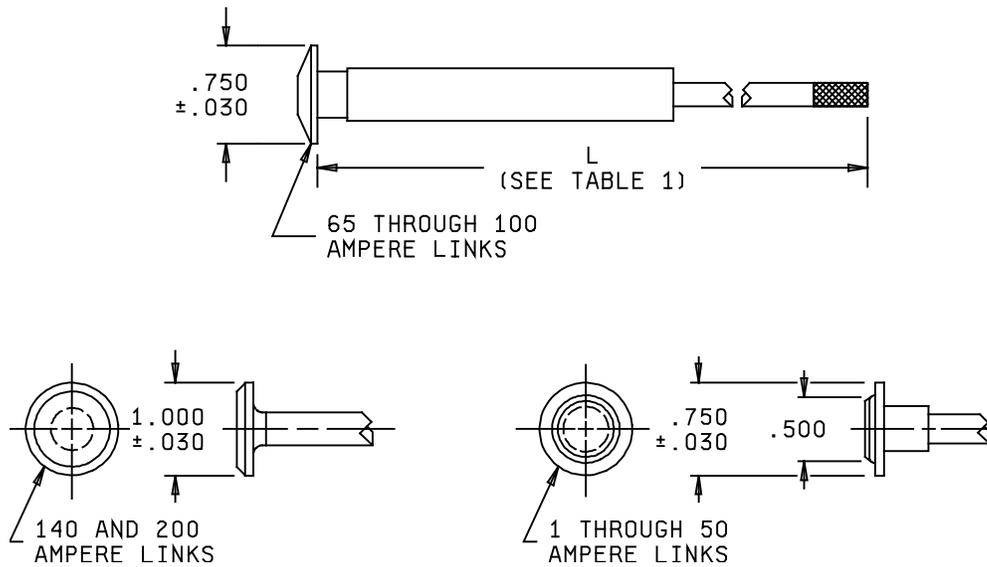
1. **SCOPE.** This commercial item description (CID) covers the general requirements for a type K (fast fuse link. Fuse links covered by this CID are intended for commercial/industrial applications.
2. **CLASSIFICATION/PART OR IDENTIFICATION NUMBER (PIN).** This CID uses a classification system that is included in the PIN as shown in the following example (see 7.1).



3. **SALIENT CHARACTERISTICS.**

- 3.1 **Interface and physical dimensions.** Fuse links supplied to this CID shall be as specified herein and shall meet the requirements of [IEEE C37.42](#) for type K (fast) fuse links (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 27 kilovolts ac maximum.
- 3.4 **Melting-time-current characteristics.** The melting-time-current characteristics shall be in accordance with [IEEE C37.42](#) for type K fuse links.
- 3.5 **Minimum overall length.** The minimum overall length shall be as specified in [table I](#).
- 3.6 **Marking.** Fuse links 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 which 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.dla.mil>



Inches	mm
.030	0.78
.500	12.70
.750	19.05
1.000	25.40

NOTES:

1. Dimensions are in Inches.
2. Tolerance is  $\pm 0.13$  mm (0.005 inch), unless otherwise specified.

FIGURE 1. Configuration and dimensions.

TABLE I. Characteristics.

CID dash number AA55497-	Ampere rating	Minimum overall length L inches (mm)	CID dash number AA55497-	Ampere rating	Minimum overall length L inches (mm)
001	1	23 (584.20)	019	1	26 (660.40)
002	2		020	2	
003	3		021	3	
004	6		022	6	
005	8		023	8	
006	10		024	10	
007	12		025	12	
008	15		026	15	
009	20		027	20	
010	25		028	25	
011	30		029	30	
012	40		030	40	
013	50		031	50	
014	65		032	65	
015	80		033	80	
016	100		034	100	
017	140		035	140	
018	200		036	200	

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. Fuse links 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 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/wastemin/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 links 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 N. Capital Street, NW, Washington D.C. 20401-0001.)

Other Publications

INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS (IEEE)

[IEEE C37.42](#) - High-Voltage (> 1000V) Expulsion Type Distribution Class Fuses, Fuse and Disconnecting Cutouts, Fuse Disconnecting Switches and Fuse Links, and Accessories Used With These Devices.

(Copies of this document are available online at <http://www.ieee.org/> or from the Institute of Electrical and Electronics Engineers, 2001 L Street, N.W. Suite 700, Washington, DC, 20036-4910.)

(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 Power Systems 1319 Lincoln Avenue Waukesha, WI 53186-3846 Phone number (262) 524-3300 Facsimile number (262) 524-3319 E-mail: <a href="mailto:info@cooperpowercentral.com">emailto:info@cooperpowercentral.com</a> Uniform Resource Locator (URL): <a href="http://www.cooperpower.com">http://www.cooperpower.com</a>
0RUR0	Hubbell Power Systems, Incorporated A. B. Chance Company 210 North Allen Street Centralia, MO 65240-1395 Phone number (573) 682-5521 Facsimile number (573) 682-8714 E-mail: <a href="mailto:hpsliterature@hubbell.com">emailto:hpsliterature@hubbell.com</a> URL: <a href="http://www.hubbellpowersystems.com/">http://www.hubbellpowersystems.com/</a>

7.7 Part number (P/N) supersession data. This 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 II. P/N supersession data.

CID dash number (see table I) AA55497-	Vendor commercial PIN CAGE 71400	Vendor commercial PIN CAGE 71400	Vendor commercial PIN CAGE 0RUR0
001	31001	---	CM1K23
002	31002	---	CM2K23
003	31003	---	CM3K23
004	31006	---	CM6K23
005	31008	FL12K8	CM8K23
006	31010	FL12K10	CM10K23
007	31012	FL12K12	CM12K23
008	31015	FL12K15	CM15K23
009	31020	FL12K20	CM20K23
010	31025	FL12K25	CM25K23
011	31030	FL12K30	CM30K23
012	31040	FL12K40	CM40K23
013	31050	FL12K50	CM50K23
014	31065	FL12K65	CM65K23
015	31080	FL12K80	CM80K23
016	31100	FL12K100	CM100K23
017	31140	---	CM140K23
018	31200	---	CM200K23
019	31001-29	---	CM1K26
020	31002-29	---	CM2K26
021	31003-29	---	CM3K26
022	31006-29	---	CM6K26
023	31008-29	---	CM8K26
024	31010-29	---	CM10K26
025	31012-29	---	CM12K26
026	31015-29	---	CM15K26
027	31020-29	---	CM20K26
028	31025-29	---	CM25K26
029	31030-29	---	CM30K26
030	31040-29	---	CM40K26

See footnote at end of table.

TABLE II. P/N supersession data – Continued.

CID dash number (see table I) AA55497-	Vendor commercial PIN CAGE 71400	Vendor commercial PIN CAGE 71400	Vendor commercial PIN CAGE 0RUR0
031	31050-29	---	CM50K26
032	31065-29	---	CM65K26
033	31080-29	---	CM80K26
034	31100-29	---	CM100K26
035	311040-29	---	CM140K26
036	31200-29	---	CM200K26

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 links 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 III. NSN's.

Dash number (see table I) AA55497-	NSN	Dash number (see table I) AA55497-	NSN
001	N/A	019	N/A
002	N/A	020	N/A
003	N/A	021	N/A
004	N/A	022	5920-00-247-9815
005	5920-00-229-8443	023	N/A
006	5920-00-068-3005	024	5920-00-247-9782
007	N/A	025	N/A
008	N/A	026	5920-01-308-1453
009	5920-00-068-3007	027	5920-01-184-6257
010	5920-00-223-2405	028	5920-00-234-8189
011	5920-00-068-3009	029	5920-01-223-8588
012	5920-00-234-8191	030	5920-00-256-9363
013	5920-00-256-9362	031	N/A
014	N/A	032	N/A
015	N/A	033	N/A
016	5920-00-519-6932	034	5920-00-124-0600
017	N/A	035	N/A
018	N/A	036	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  
Air Force - 85  
DLA - CC

CIVIL AGENCY COORDINATING ACTIVITY:

GSA - FAS

Preparing activity:

DLA-CC

Project 5920-2012-047

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>.