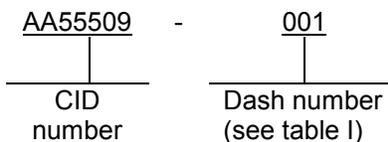


COMMERCIAL ITEM DESCRIPTION

FUSE, INDICATOR ALARM

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

1. **SCOPE.** This commercial item description (CID) covers the general requirements for indicator alarm fuses. Fuses 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).

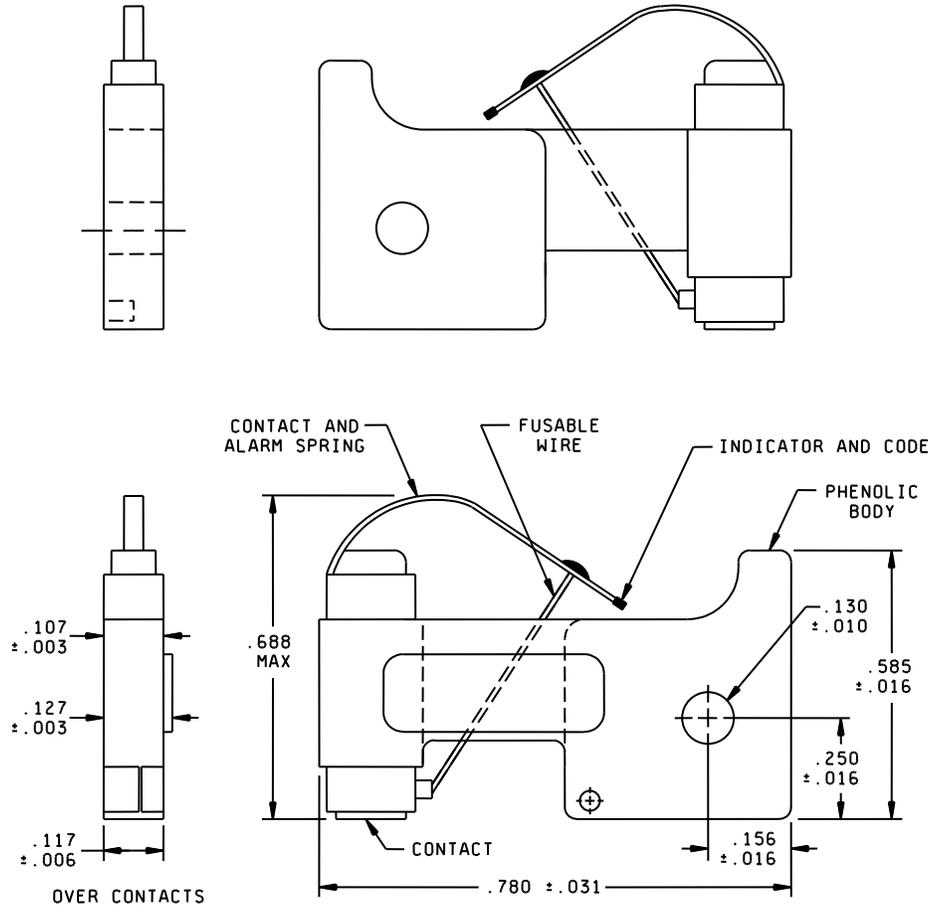


3. SALIENT CHARACTERISTICS.

- 3.1 Interface and physical dimensions. Fuses 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 125 V ac, 60 V dc.
- 3.4 Opening time. The opening time shall be as specified in [table II](#).
- 3.5 Fuse body. The fuse body shall be black phenolic with [UL 94HB](#) flammability rating as a minimum.
- 3.6 Contacts. Contacts shall be bright alloy plated beryllium copper
- 3.7 Marking. Fuses 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>.

A-A-55509D



Inches	mm	Inches	mm
.003	0.076	.127	3.22
.006	0.152	.130	3.30
.010	0.254	.156	3.96
.016	0.406	.250	6.35
.031	0.787	.585	14.85
.107	2.71	.688	17.47
.117	2.97	.780	19.81

NOTES:

1. Dimensions are in inches.
2. Tolerance is ±.005 inch (0.13 mm), unless otherwise specified.

FIGURE 1. Configuration and dimensions.

TABLE I. Characteristics.

CID dash number AA55509-	Ampere rating	Flag color code ^{1/}
001	.18	Yellow
002	.25	Violet
003	.5	Red
004	.65	Black
005	.75	Brown
006	1	Gray
007	1.33	White
008	1.5	White/yellow
009	2	Orange
010	2.5	White/orange
011	3	Blue
012	3.5	Blue/white
013	4	Brown/white
014	5	Green
015	7.5	Black/white
016	10	Red/white
017	12	Yellow/green
018	15	Red/blue

^{1/} Indicator flag is color-coded for easy amperage identification.

TABLE II. Rating versus opening time.

Rating	Opening time
100 percent	10 minutes, minimum
150 percent	5 minutes, maximum

3.8 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.

3.9 Workmanship. Fuses 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/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 fuses 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.)

Other Publications

UNDERWRITERS LABORATORIES, INCORPORATED (UL)

[UL 94](#) - Safety Tests for Flammability of Plastic Materials for Parts in Devices and Appliances, Standard for.

(Copies of this document are available online at <http://www.ul.com/> or from the Underwriters Laboratories, Incorporated, 2600 N. W. Lake Road, Camas, WA 98607-8542.)

(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/content/public/en/bussmann.html
75915	Littelfuse Incorporated 8755 W. Higgins Road; Suite 500 Chicago, IL 60631-2708 Phone number (800) 999-9445 Facsimile number (847) 391-0753 E-mail: mailto:electronics@littelfuse.com URL: http://www.littelfuse.com

7.7 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 IV. P/N supersession data.

CID dash number AA55509- (see table I)	MFR's CAGE 71400	MFR's CAGE 75915
	MFR's P/N <u>1/</u>	MFR's P/N <u>1/</u>
001	GMT-18/100	481.180
002	GMT-1/4	481.250
003	GMT-1/2	481.500
004	GMT-65/100	481.650
005	N/A	481.750
006	GMT-1	481001
007	GMT-1-1/3	4811.33
008	GMT-1-1/2	48101.5
009	GMT-2	481002
010	N/A	48102.5
011	GMT-3	481003
012	GMT-3-1/2	48103.5
013	GMT-4	481004
014	GMT-5	481005
015	GMT-7-1/2	48107.5
016	GMT-10	481010
017	GMT-12	481012
018	GMT-15	481015

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 [3.7](#).

7.8 Government users. To acquire information on obtaining these fuses 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 V. NSN's.

Dash number (see table I) AA55509-	NSN	Dash number (see table I) AA55509-	NSN
001	5920-00-068-7353	010	N/A
002	5920-00-702-6694	011	N/A
003	5920-00-995-6079	012	5920-01-056-7256
004	5920-00-964-3874	013	5920-01-108-3206
005	5920-00-857-8909	014	5920-00-857-8417
006	5920-00-901-9936	015	5920-00-857-8418
007	5920-00-857-8416	016	5920-00-917-3538
008	5920-00-126-1873	017	N/A
009	5920-00-857-8933	018	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 5920-2012-054

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>.