

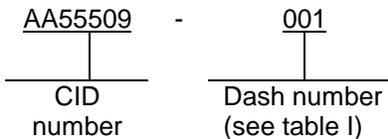
[INCH-POUND]
A-A-55509A
January 29, 2001
SUPERSEDING
A-A-55509
July 4, 1994

COMMERCIAL ITEM DESCRIPTION

FUSE, INDICATOR ALARM

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

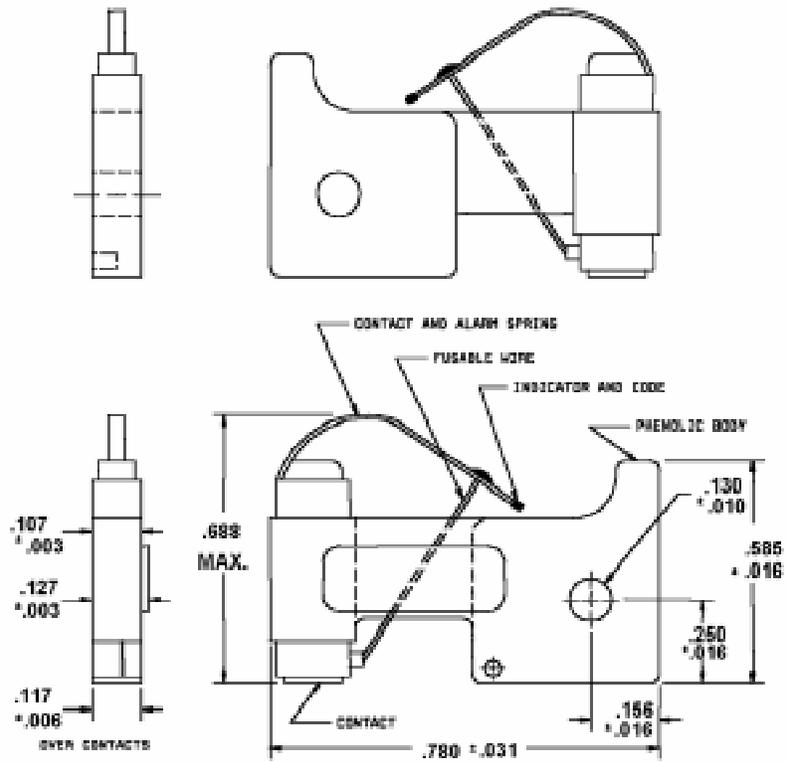
1. **SCOPE.** This CID covers the general requirements for indicator alarm fuses. Fuses covered by this CID are intended for commercial/industrial applications.
2. **CLASSIFICATION.** This CID uses a classification system which is included in the Part Identification Number (PIN) as shown in the following example (see 7.1).



3. SALIENT CHARACTERISTICS.

- 3.1 Interface and physical dimensions. 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 Corresponding fuseholder. The corresponding fuseholder is specified in CID A-A-55510.
- 3.8 Marking. Fuses 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 43216-5000, or telephone (614) 692-0548, or facsimile (FAX) (614) 692-6939.



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 millimeters.
2. Tolerance is ± 0.005 inch (0.13 mm), unless otherwise specified.

FIGURE 1. Configuration and dimensions.

TABLE I. Characteristics.

CID dash number AA55509-	Ampere rating	Flag color code <u>1/</u>
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

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 fuses 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 94HB - Safety Tests for Flammability of Plastic Materials for Parts in Devices and Appliances, Standard for.

(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 Bussmann, Incorporated 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

75915

Littelfuse Incorporated
 800 E. Northwest Highway
 Des Plaines, IL 60016-3096
 Phone number (847) 824-1188
 Facsimile number (847) 391-0894
 E-mail: electronics@littelfuse.com
 URL: www.littelfuse.com

7.6 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.

TABLE II. 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	GMT 3/4	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	GMT 2-1/2	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 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.

7.7 Government users. To acquire information on obtaining these fuses 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.

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) 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

MILITARY INTERESTS:

Custodians:
Navy - EC

CIVIL AGENCY COORDINATING ACTIVITY:

GSA - 7FXE

Preparing Activity:

DLA-CC

Project 5920-0686