

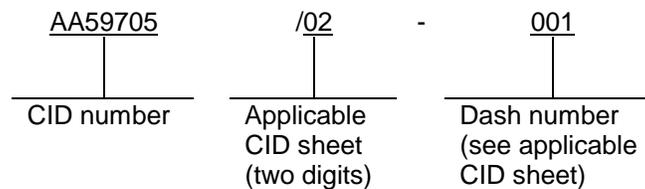
COMMERCIAL ITEM DESCRIPTION

FUSE CARTRIDGE, DUAL-ELEMENT, TIME-DELAY, CLASS RK5,
600 VOLTS (V), BLOWN FUSE INDICATION

The General Services Administration has authorized the use of this
Commercial Item Description (CID) for all federal agencies.

The complete requirements for procuring the fuses described herein shall consist of this document and
the issue in effect of CID A-A-59705.

CLASSIFICATION. This CID uses a classification system that is included in the Part Identification
Number (PIN) as shown in the following example (see notes).



SALIENT CHARACTERISTICS.

Interface and physical dimensions. Fuses supplied to this CID shall be as specified herein and shall meet
the requirements of UL 248-12 for class RK5, low voltage fuses (see figures 1 and 2).

Ampere rating. The ampere rating shall be as specified in table I.

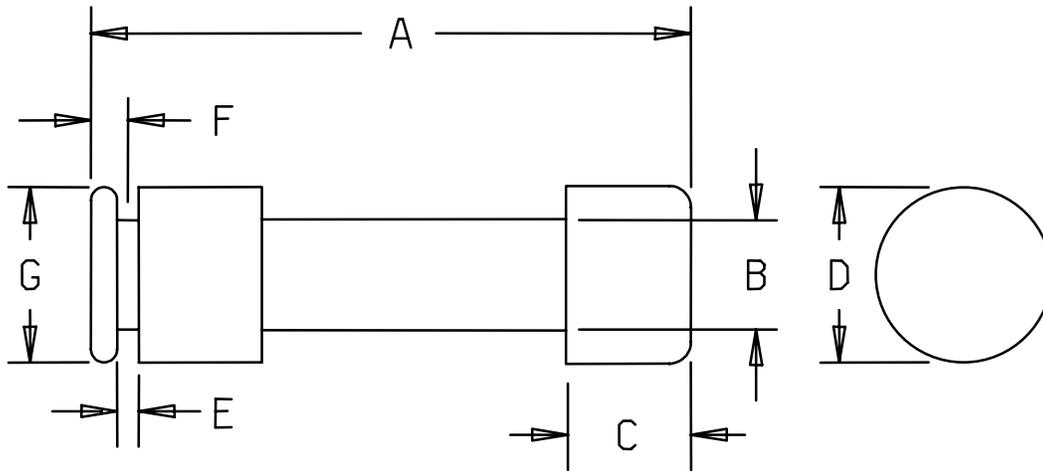
Voltage rating. The voltage rating shall be 600 V ac, 300 V dc maximum.

Interrupting ratings. The interrupting rating shall be 200,000 amperes root means squared (rms)
symmetrical, 20,000 amperes dc.

Opening time characteristics. This fuse shall open within 10 seconds minimum at 500 percent of rated
current.

Blown fuse indication. This fuse provides blown fuse indication. Location of blown fuse indicator is
optional.

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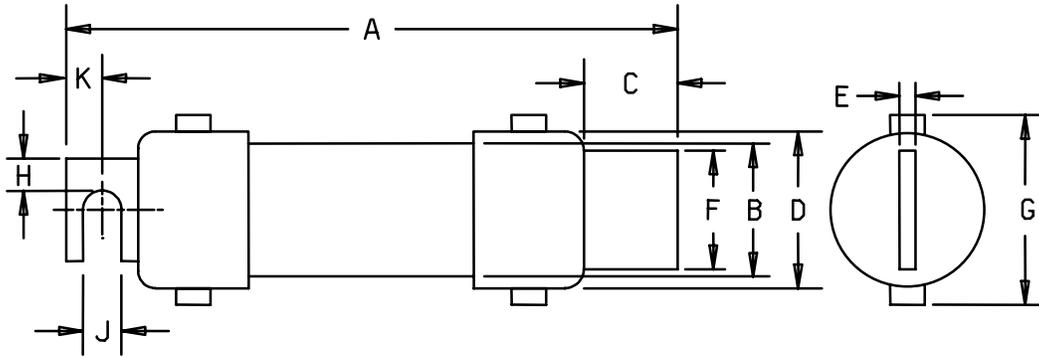


AA59705/02-	Dimensions						
	A	B	C	D	E	F	G
001 through 040	5.000 (127.0)	.75 (19.1)	.625 (15.9)	.813 (20.6)	.094 (2.4)	.188 (4.8)	.625 (15.9)
041 through 045	5.50 (139.7)	1 (25.4)	.625 (15.9)	1.063 (27.0)	.094 (2.4)	.25 (6.4)	.875 (22.2)

NOTES:

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

FIGURE 1. Configuration and dimensions.



AA59705/02-	Dimensions									
	A	B	C	D	E	F	G	H	J	K
046 through 050	7.875 (200.0)	1.25 (31.8)	1.063 (27.0)	1.313 (33.3)	.125 (3.2)	.750 (19.1)	1.50 (38.1)	.25 (6.4)	.281 (7.1)	.5 (12.7)
051 through 055	9.625 (244.5)	1.75 (44.5)	1.469 (37.3)	1.844 (46.8)	.188 (4.8)	1.125 (28.6)	1.094 (53.2)	.438 (11.1)	.281 (7.1)	.688 (17.5)
056 through 060	11.625 (295.3)	2.5 (63.5)	2 (50.8)	2.594 (65.9)	.250 (6.4)	1.625 (41.3)	2.845 (72.2)	.625 (15.9)	.406 (10.3)	.937 (23.8)
061 through 063	13.375 (339.7)	3 (76.5)	2.406 (61.1)	3.094 (78.6)	.250 (6.4)	2.000 (50.8)	3.344 (84.93)	.750 (19.1)	.531 (13.5)	1.125 (28.6)

NOTES:

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

FIGURE 2. Configuration and dimensions.

TABLE I. Electrical characteristics.

AA59705/02-	Ampere rating	AA59705/02-	Ampere rating	AA59705/02-	Ampere rating
001	1/8	022	3 2/10	043	45
002	15/100	023	3 1/2	044	50
003	2/10	024	4	045	60
004	1/4	025	4 1/2	046	70
005	3/10	026	5	047	75
006	4/10	027	5 6/10	048	80
007	1/2	028	6	049	90
008	6/10	029	6 1/4	050	100
009	8/10	030	7	051	110
010	1	031	7 1/2	052	125
011	1 1/8	032	8	053	150
012	1 1/4	033	9	054	175
013	1 4/10	034	10	055	200
014	1 1/2	035	12	056	225
015	1 6/10	036	15	057	250
016	18/10	037	17 1/2	058	300
017	2	038	20	059	350
018	2 1/4	039	25	060	400
019	2 1/2	040	30	061	450
020	2 8/10	041	35	062	500
021	3	042	40	063	600

NOTES.

PIN. The PIN should be used for Government purposes to buy commercial products to this CID. See section 2 for PIN format example.

Source of document.

Other publications.

UNDERWRITERS LABORATORIES, INCORPORATED (UL)

UL 248-12 - Low-Voltage Fuses - Part 12: Class R Fuses.

(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.)

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>Manufacturer's CAGE</u>	<u>Manufacturer's name and address</u>
75915	Littelfuse Incorporated 800 E. Northwest Highway Des Plaines, IL 60016-3096 Phone number: (847) 824-1188 Facsimile number: (847) 391-0894 E-mail: powrgard@littelfuse.com Uniform Resource Locator (URL): www.littelfuse.com

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 (see table I)	MFR's CAGE 75915	CID dash number (see table I)	MFR's CAGE 75915	CID dash number (see table I)	MFR's CAGE 75915
AA59705/02-	MFR's P/N <u>1/</u>	AA59705/02-	MFR's P/N <u>1/</u>	AA59705/02-	MFR's P/N <u>1/</u>
001	N/A	022	FLSR 3 2/10 ID	043	FLSR 45 ID
002	N/A	023	FLSR 3 1/2 ID	044	FLSR 50 ID
003	N/A	024	FLSR 4 ID	045	FLSR 60 ID
004	N/A	025	FLSR 4 1/2 ID	046	FLSR 70 ID
005	N/A	026	FLSR 5 ID	047	FLSR 75 ID
006	N/A	027	FLSR 5 6/10 ID	048	FLSR 80 ID
007	N/A	028	FLSR 6 ID	049	FLSR 90 ID
008	N/A	029	FLSR 6 1/4 ID	050	FLSR 100 ID
009	N/A	030	FLSR 7 ID	051	FLSR 110 ID
010	FLSR 1 ID	031	FLSR 7 1/2 ID	052	FLSR 125 ID
011	FLSR 1 1/8 ID	032	FLSR 8 ID	053	FLSR 150 ID
012	FLSR 1 1/4 ID	033	FLSR 9 ID	054	FLSR 175 ID
013	FLSR 1 4/10 ID	034	FLSR 10 ID	055	FLSR 200 ID
014	FLSR 1 1/2 ID	035	FLSR 12 ID	056	FLSR 225 ID
015	FLSR 1 6/10 ID	036	FLSR 15 ID	057	FLSR 250 ID
016	FLSR 1 8/10 ID	037	FLSR 17 1/2 ID	058	FLSR 300 ID
017	FLSR 2 ID	038	FLSR 20 ID	059	FLSR 350 ID
018	FLSR 2 1/4 ID	039	FLSR 25 ID	060	FLSR 400 ID
019	FLSR 2 1/2 ID	040	FLSR 30 ID	061	FLSR 450 ID
020	FLSR 2 8/10 ID	041	FLSR 35 ID	062	FLSR 500 ID
021	FLSR 3 ID	042	FLSR 40 ID	063	FLSR 600 ID

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.

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MILITARY INTERESTS:

Custodians:
Navy - EC

CIVIL AGENCY COORDINATING ACTIVITY:

GSA - 7FXE

Preparing activity:

DLA-CC

Project 5920-0733-02