

[INCH-POUND]
A-A-55571/7F
11 December 2014

SUPERSEDING
A-A-55571/7E
7 May 2009

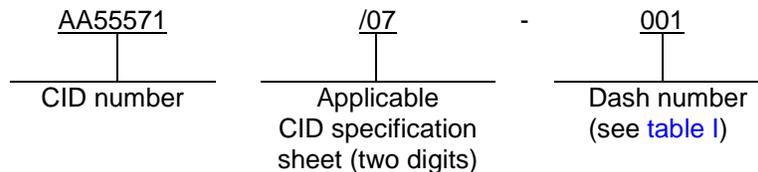
COMMERCIAL ITEM DESCRIPTION
SPECIFICATION SHEET

CIRCUIT BREAKER, 28 VOLTS (V) DC, AUTOMATIC
RESET, NONWATERPROOF, 35 AMPERES (A) TO 150 A

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

The complete requirements for procuring the circuit breakers described herein shall consist of this document and the issue in effect of CID [A-A-55571](#).

CLASSIFICATION/PART OR IDENTIFICATION NUMBER (PIN). This commercial item description CID specification sheet uses a classification system which is included in the PIN as shown in the following example (see NOTES).



SALIENT CHARACTERISTICS.

Interface and physical dimensions. Circuit breakers supplied to this CID specification sheet shall be as specified herein (see [figure 1](#)).

Ampere rating. The ampere rating shall be as specified in [table I](#).

Voltage rating. The voltage rating shall be 28 V dc maximum.

Endurance. The minimum expected cycling life shall be 2,000 cycles at 200 percent of rated current.

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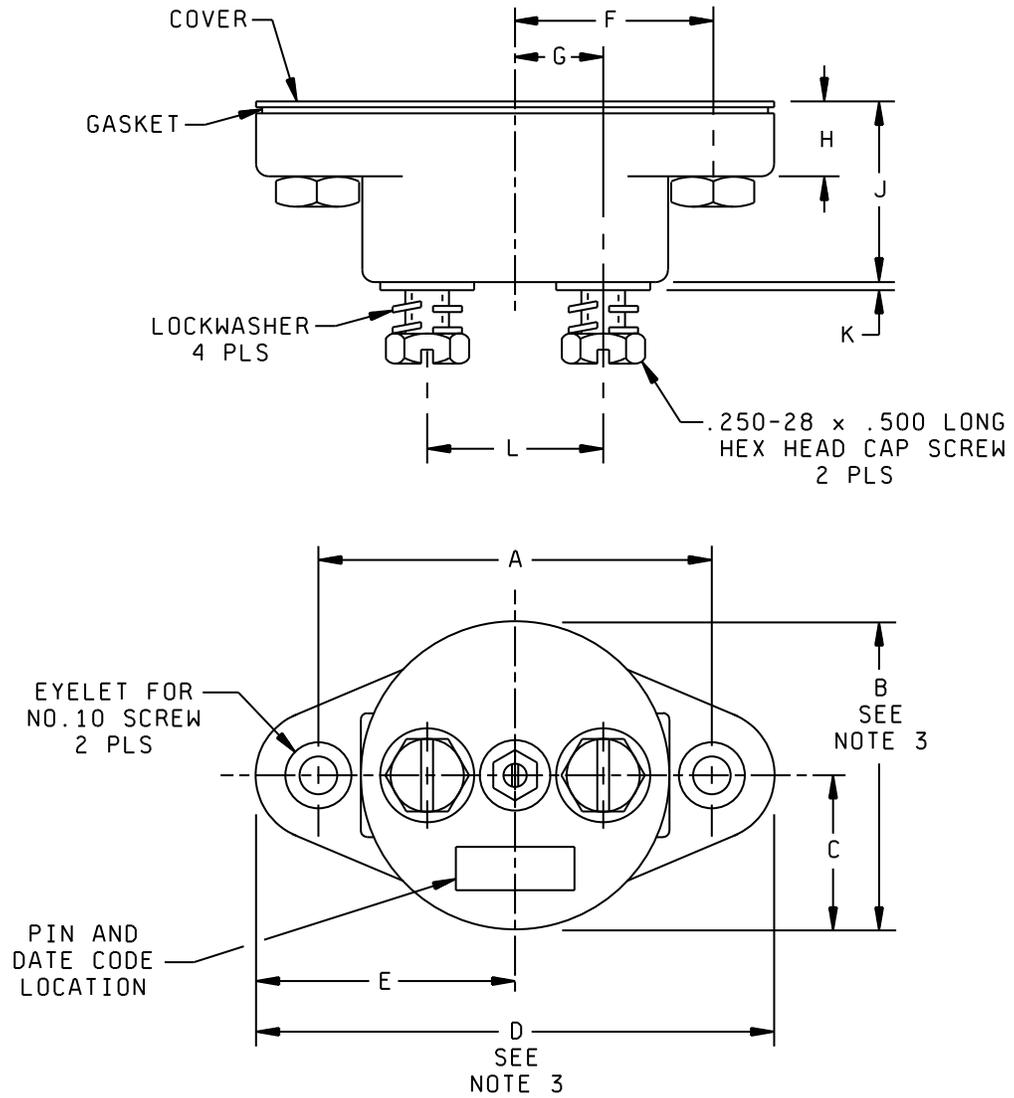


FIGURE 1. Configuration and dimensions.

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Ltr	Inches		mm	
	Min	Max	Min	Max
A	2.396	2.416	60.86	61.37
B	1.859	1.891	47.22	48.03
C	.922	.954	23.42	24.23
D	3.125	3.187	79.38	80.95
E	1.562	1.594	39.67	40.49
F	1.193	1.213	30.30	30.73
G	.526	.536	13.36	13.61
H	.437	.469	11.10	11.91
J	1.078	1.140	27.38	28.96
K	.031	.063	0.79	1.60
L	1.052	1.072	26.72	27.23

NOTES:

1. Dimensions are in inches.
2. Tolerance is ± 0.005 inch (0.13 mm), unless otherwise specified.
3. Dimensions exclude flexible gasket material.

FIGURE 1. Configuration and dimensions - Continued.

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TABLE I. Characteristics.

CID dash number AA55571/07-	Ampere rating	CID dash number AA55571/07-	Ampere rating
001	35	007	80
002	40	008	90
003	45	009	105
004	50	010	120
005	60	011	135
006	70	012	150

Speed of operation at 25°C (77°F) at 200 percent rated current. Circuit breakers supplied to this CID specification sheet shall meet the minimum and maximum opening time requirements as specified in table II.

TABLE II. Speed of operation at 77°F (25°C).

200 percent of rated current	Opening time in seconds	
	Maximum	Maximum
	8	100

NOTES.

PIN. The PIN should be used for Government purposes to buy commercial products to this CID specification sheet. See classification information for PIN format example.

Commercial products. As part of the market analysis and research effort, this CID specification sheet was coordinated with the following manufacturers of commercial products. At the time of CID specification sheet preparation and coordination, these manufacturers were known to have commercial products that would meet the requirements of this CID specification sheet. (NOTE: This information should not be considered as a list of approved manufacturers or be used to restrict procurement to only the manufacturers shown.)

MFR's CAGE

82647

MFR's name and address

Sensata Technologies, Incorporated
 529 Pleasant Street
 Attleboro, MA 02703-2421
 Phone number (508) 236-3800
 Facsimile number (508) 236-1598
 E-mail: klixon@sensata.com
 Uniform Resource Locator (URL): <http://www.sensata.com>

Part number (P/N) supersession data. These CID specification sheet 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 III. P/N supersession data.

Dash number (see table I) AA55571/07-	MFR's CAGE 82647	CID dash number (see table I) AA55571/07-	MFR's CAGE 82647
	MFR's P/N <u>1/</u>		MFR's P/N <u>1/</u>
001	PDLA-35	007	PDLA-80
002	PDLA-40	008	PDLA-90
003	PDLA-45	009	PDLA-105
004	PDLA-50	010	PDLA-120
005	PDLA-60	011	PDLA-135
006	PDLA-70	012	PDLA-150

1/ The manufacturer's P/N shall not be used for acquisition to the requirements of this CID specification sheet. At the time of preparation of this CID specification sheet, the aforementioned commercial products were reviewed and could be replaced by the CID P/N shown. For actual part marking requirements, see the marking paragraph of [A-A-55571](#).

National stock number (NSN). The following is a list of NSN's assigned which correspond to this CID specification sheet. The list is for information only and may not be indicative of all possible NSN's associated with the CID specification sheet. For up to date information on assigned NSN's, please contact the aforementioned DLA Land and Maritime office listed in [A-A-55571](#).

TABLE IV. NSN's.

Dash number (see table I) AA55571/07-	NSN	Dash number (see table I) AA55571/07-	NSN
001	5925-01-265-7692	007	5925-01-430-4757
002	5925-00-420-8561	008	5925-01-092-9694
003	5925-00-520-4666	009	5925-00-295-5460
004	5925-00-708-8769	010	5925-00-709-9437
005	5925-00-247-2076	011	5925-00-173-7634
006	5925-00-350-4480	012	5925-01-429-4554

Changes from previous issue. Marginal notations are marked with vertical lines to indicate where changes from the previous issue were made. This was done as a convenience only and the Government assumes no liability whatsoever for any inaccuracies in these notations. Bidders and contractors are cautioned to evaluate the requirements of this document based on the entire content irrespective of the marginal notations and relationship to the last previous issue.

MILITARY INTERESTS:

Custodians:
Navy - EC
DLA - CC

CIVIL AGENCY COORDINATING ACTIVITY:

GSA - FAS

Preparing activity:

DLA-CC

Project 5925-2014-018

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>.