

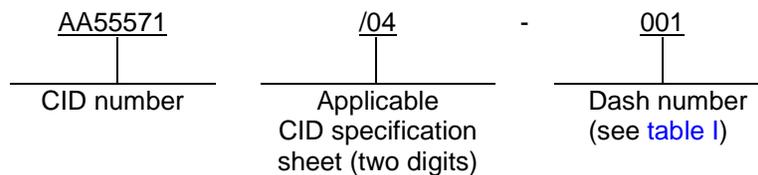
COMMERCIAL ITEM DESCRIPTION
SPECIFICATION SHEET

CIRCUIT BREAKER, 28 VOLTS (V) DC, MANUAL
RESET, WATERPROOF, 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 500 cycles at 200 percent of rated current.

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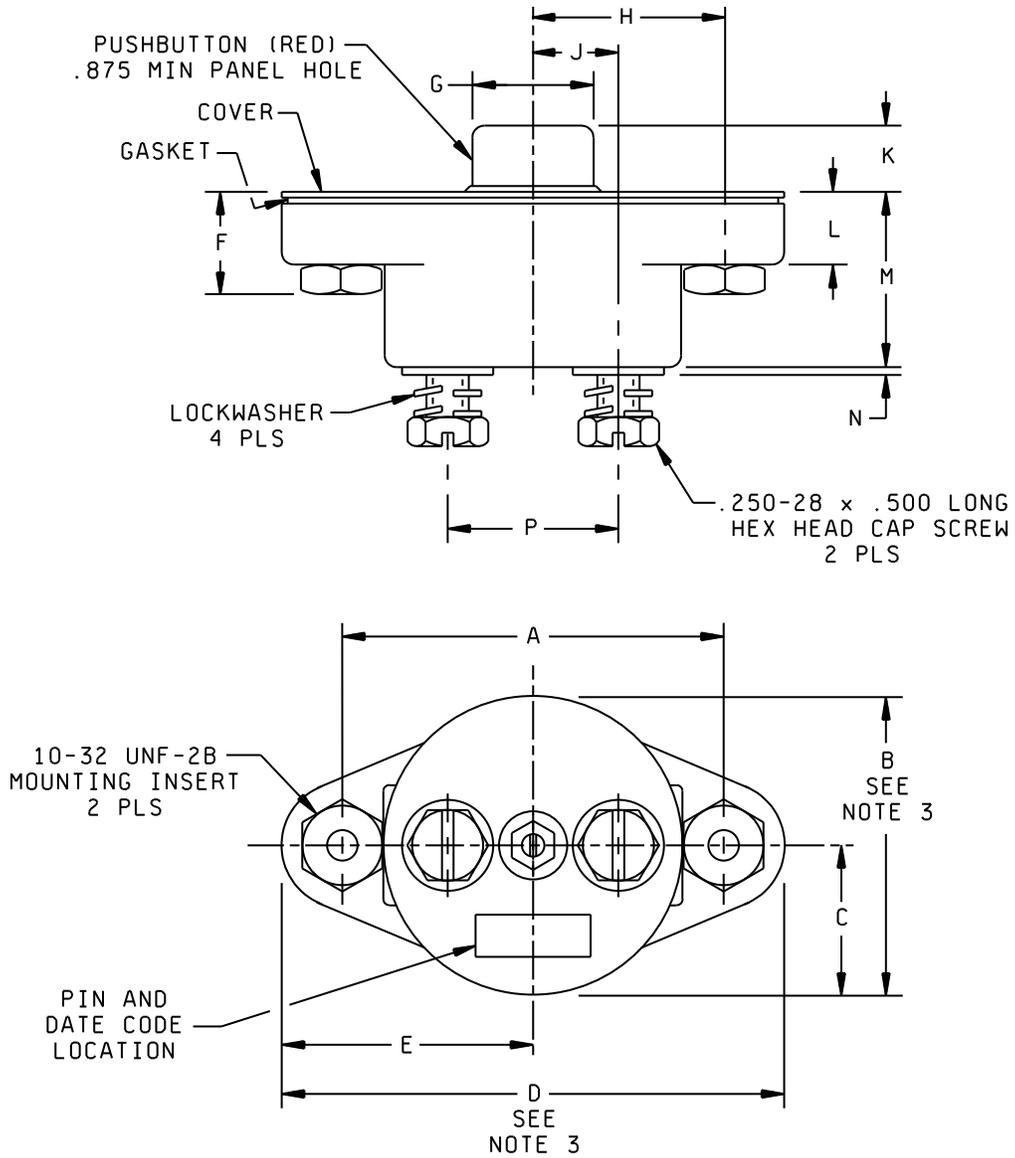


FIGURE 1. Configuration and dimensions.

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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	.622	.686	15.80	17.42
G	N/A	.781	N/A	19.84
H	1.193	1.213	30.30	30.81
J	.526	.536	13.36	14.22
K	.336	.400	8.53	10.16
L	.437	.469	11.10	11.91
M	1.078	1.140	27.38	28.96
N	.031	.063	0.79	1.60
P	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 AA55571/04-	Ampere rating	CID dash number AA55571/04-	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	
	Minimum	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 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>
82647	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

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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.

CID dash number (see table I) AA55571/04-	MFR's CAGE	MFR's P/N ^{1/}
001	82647	PDLM-35-I
002	82647	PDLM-40-I
003	82647	PDLM-45-I
004	82647	PDLM-50-I
005	82647	PDLM-60-I
006	82647	PDLM-70-I
007	82647	PDLM-80-I
008	82647	PDLM-90-I
009	82647	PDLM-105-I
010	82647	PDLM-120-I
011	82647	PDLM-135-I
012	82647	PDLM-150-I

^{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) AA55571/04-	NSN	Dash number (see table I) AA55571/04-	NSN
001	N/A	007	N/A
002	N/A	008	5925-01-429-3850
003	N/A	009	N/A
004	N/A	010	N/A
005	N/A	011	N/A
006	5925-01-430-0026	012	N/A

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 5925-2014-015

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>.