

[INCH-POUND]
A-A-55571/5A
January 12, 2001

SUPERSEDING
A-A-55571/5
June 24, 1996

COMMERCIAL ITEM DESCRIPTION

CIRCUIT BREAKER, 28 VOLTS (V) DC, AUTOMATIC
RESET, NONWATERPROOF, 10 AMPERES (A) TO 35 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. This CID uses a classification system which is included in the Part Identification Number (PIN) as shown in the following example (see notes).

<u>AA55571/05</u>	-	<u>001</u>
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CID number		Dash number (see table I)

SALIENT CHARACTERISTICS.

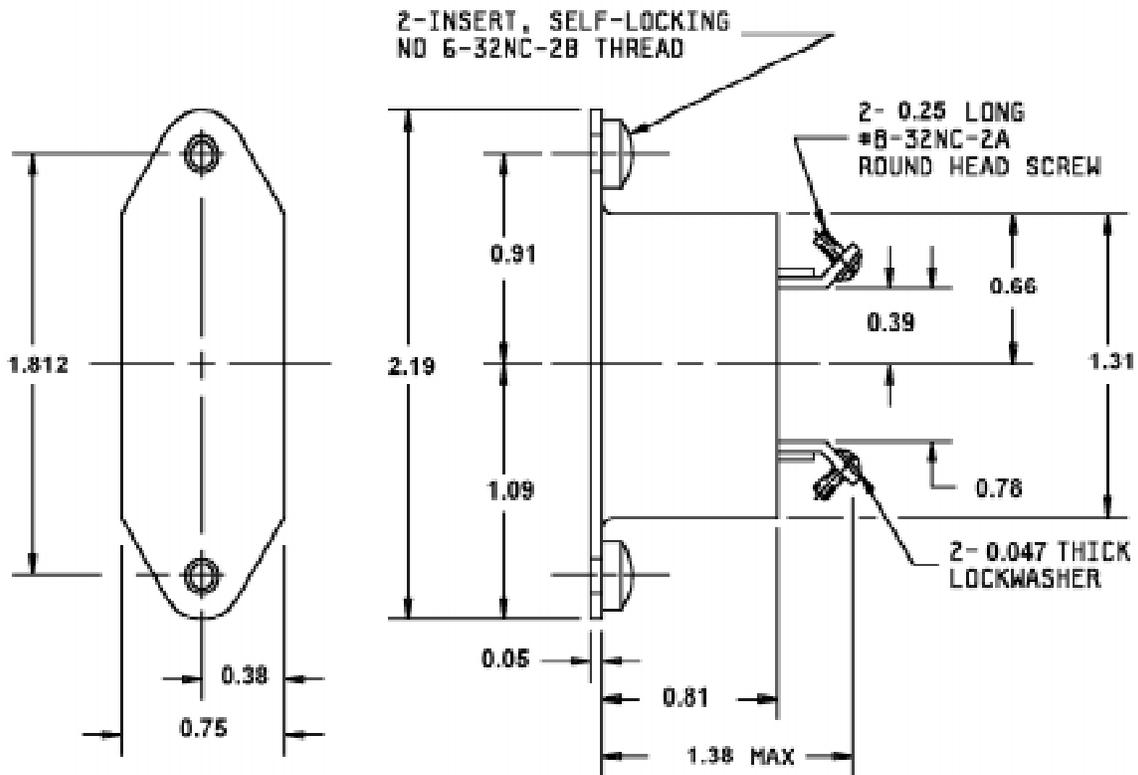
Interface and physical dimensions. Circuit breakers supplied to this CID shall be as specified herein (see figure 1).

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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Inches	mm	Inches	mm
0.05	1.27	0.81	20.57
0.25	6.35	0.91	23.11
0.38	9.65	1.09	27.69
0.39	9.91	1.31	33.27
0.47	11.94	1.38	35.05
0.66	16.76	1.812	46.02
0.75	19.05	2.19	55.63
0.78	19.81		

NOTES:

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

FIGURE 1. Configuration and dimensions.

TABLE I. Characteristics.

CID dash number AA55571/05-	Ampere rating
001	10
002	15
003	20
004	25
005	30
006	35

Speed of operation at 25°C (77°F) at 200 percent rated current. Circuit breakers supplied to this CID 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		
	Ampere rating	Minimum	Maximum
	10 A and below	20	150
over 10 A	8	50	

NOTES.

PIN. The PIN should be used for Government purposes to buy commercial products to this CID. 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.)

MFR's CAGE

82647

MFR's name and address

Texas Instruments, Incorporated
 Materials & Controls Group
 34 Forest Street
 Attleboro, MA 02703-2964
 Phone number (508) 236-3287
 Facsimile number (508) 236-1598
 E-mail klixon@ti.com
 Uniform Resource Locator (URL): www.ti.com/mc/docs/precprod/docs

Part number (P/N) supersession data. These CID part numbers 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 AA55571/05- (see table I)	MFR's CAGE	MFR's P/N <u>1/</u>
001	82647	PSA-10
002	82647	PSA-15
003	82647	PSA-20
004	82647	PSA-25
005	82647	PSA-30
006	82647	PSA-35

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. For actual part marking requirements, see 3.10 of A-A-55571.

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 Defense Supply Center, Columbus, ATTN: DSCC-CSAC, Post Office Box 3990, Columbus, OH 43216-5000, or telephone (614) 692-8521.

TABLE IV. NSN's.

Dash number (see table I) AA55517/05-	NSN
001	5925-00-549-8937
002	5925-00-929-7718
003	5925-00-929-7719
004	5925-01-373-1034
005	N/A
006	N/A

MILITARY INTERESTS:

Custodians:
Navy - EC

CIVIL AGENCY COORDINATING ACTIVITY:

GSA - 7FXE

Preparing activity:

DLA-CC

Project 5925-0304-05