

[INCH-POUND]
A-A-55571/4A
January 12, 2001

SUPERSEDING
A-A-55571/4
June 24, 1996

COMMERCIAL ITEM DESCRIPTION

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

<u>AA55571/04</u>	-	<u>001</u>
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CID number		Dash number (see table I)

SALIENT CHARACTERISTICS.

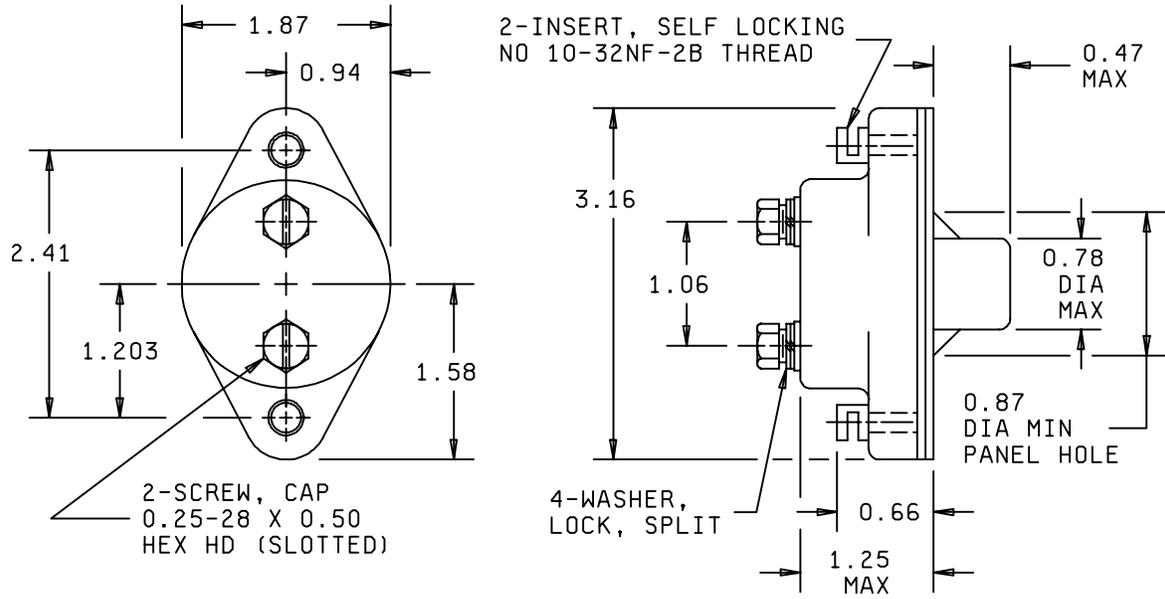
Interface and physical dimensions. Circuit breakers supplied to this CID shall be as specified herein (see figure 1).

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 500 cycles at 200 percent of rated current.

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Inches	mm	Inches	mm
0.25	6.35	1.06	26.92
0.47	11.94	1.203	30.56
0.50	12.70	1.25	31.75
0.66	16.76	1.58	40.13
0.78	19.81	1.87	47.50
0.87	22.10	2.41	61.11
0.91	23.88	3.16	80.26

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 AA55571/04-	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 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. 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 AA55571/04- (see table I)	MFR's CAGE	MFR's P/N <u>1/</u>
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 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) AA55517/04-	NSN	Dash number (see table I) AA55517/04-	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

MILITARY INTERESTS:

Custodians:
Navy - EC

CIVIL AGENCY COORDINATING ACTIVITY:

GSA - 7FXE

Preparing activity:

DLA-CC

Project 5925-0304-04