

[INCH-POUND]  
A-A-55571B  
January 9, 2006  


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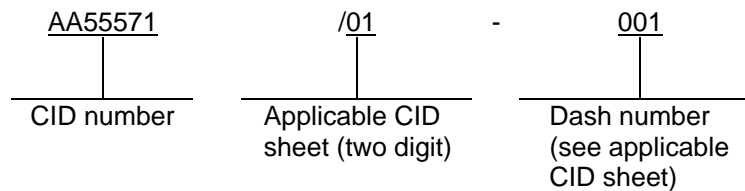
SUPERSEDING  
A-A-55571A  
January 12, 2001

## COMMERCIAL ITEM DESCRIPTION

### CIRCUIT BREAKER, 28 VOLTS (V) DC, MANUAL AND AUTOMATIC RESET, GENERAL REQUIREMENTS FOR

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

1. **SCOPE.** This CID covers the general requirements for 28 V, manual and automatic reset circuit breakers. Requirements for specific circuit breakers are covered in the individual CID sheets. Circuit breakers covered by this CID are intended for commercial/industrial applications.
2. **CLASSIFICATION/PART OR IDENTIFICATION NUMBER (PIN).** This CID uses a classification system which is included in the Part Identification Number (PIN) as shown in the following example (see 7.1).



### 3. SALIENT CHARACTERISTICS.

- 3.1 Interface and physical dimensions. Circuit breakers supplied to this CID shall be as specified on the applicable CID sheet.
- 3.2 Dielectric strength. The dielectric strength shall be 1,500 V ac minimum.
- 3.3 Insulation resistance. The insulation resistance shall be 100 megohms minimum.
- 3.4 Vibration resistance. The vibration resistance of these circuit breakers shall be 10G.
- 3.5 Mechanical shock resistance. Circuit breakers shall be able to withstand a mechanical shock of 100G maximum.
- 3.6 Acceleration resistance. The acceleration resistance shall be 17G.

A Beneficial comments, recommendations, additions, deletions, clarifications, etc., and any data which may improve this document should be sent to: Defense Supply Center, Columbus, ATTN: DSCC-VAT, Post Office Box 3990, Columbus, OH 43218-3990, or <mailto:CircuitProtect@dsc.dla.mil>. Since contact information can change you may want to verify the currency of the address information using the ASSIST Online database at <http://assist.daps.dla.mil>.

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3.7 Interrupt current capacity. The interrupt current capacity shall be 600 amperes (A) maximum for current ratings 2 A to 30 A, and 900 A maximum for current ratings above 30 A.

3.8 Calibration at 77°F (25°C). Circuit breakers shall be able to carry 100 percent of their rated current for 60 minutes minimum without tripping or other current interruption. Circuit breakers shall subsequently operate at 138 percent of rated current and shall trip within 60 minutes.

3.9 Speed of operation. See the applicable CID sheets.

3.10 Marking. Circuit breakers supplied to this CID shall be marked with the manufacturer's (MFR's) standard commercial PIN.

4. **REGULATORY REQUIREMENTS**. The offeror/contractor is encouraged to use recovered materials to the maximum extent practicable, in accordance with paragraph 23.403 of the Federal Acquisition Regulation (FAR).

5. **PRODUCT CONFORMANCE PROVISIONS**.

5.1 Product conformance. The products provided shall meet the salient characteristics of this CID, conform to the producer's own drawings, specifications, standards, and quality assurance practices, and be the same product offered for sale in the commercial market. The Government reserves the right to require proof of such conformance.

5.2 Market acceptance. The following market acceptance criteria are necessary to document the quality of the product to be provided under this CID:

- a. The company producing the item must have been producing a product meeting the requirements of this CID for at least 2 years.
- b. The company must have sold 1,000 units meeting this CID in the commercial marketplace over the past 2 years.

6. **PACKAGING**. Preservation, packing, and marking shall be as specified in the contract or order.

6.1 Environmentally preferable material. Environmentally preferable materials should be used to the maximum extent possible to meet the requirements of this specification. Table X lists the Environmental Protection Agency (EPA) top seventeen hazardous materials targeted for major usage reduction. Use of these materials should be minimized or eliminated unless needed to meet the requirements specified herein (see Section 3).

Table I. EPA top seventeen hazardous materials.

Benzene	Dichloromethane	Tetrachloroethylene
Cadmium and Compounds	Lead and Compounds	Toluene
Carbon Tetrachloride	Mercury and Compounds	1,1,1 - Trichloroethane
Chloroform	Methyl Ethyl Ketone	Trichloroethylene
Chromium and Compounds	Methyl Isobutyl Ketone	Xylenes
Cyanide and Compounds	Nickel and Compounds	

7. **NOTES**.

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

7.2 Commercial and Government Entity (CAGE) code. For ordering purposes, inventory control, and submission of these circuit breakers to DSCC under the Military Parts control Advisory Group (MPCAG) evaluation program, CAGE code 58536 should be used.

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7.3 Source of documents. This section is not applicable to this CID.

7.4 Ordering data. The contract or order should specify the following:

- a. CID document number, revision, and CID PIN.
- b. Product conformance provisions.
- c. Packaging requirements.

7.5 Government users. To acquire information on obtaining these circuit breakers from the Government inventory system, contact Defense Supply Center, Columbus, ATTN: DSCC-CSB, Post Office Box 3990, Columbus, OH 43216-5000, or telephone (614) 692-7435.

MILITARY INTERESTS:

Custodians:

Navy - EC

DLA - CC

CIVIL AGENCY COORDINATING ACTIVITY:

GSA - FSS

Preparing activity:

DLA-CC

Project 5925-2006-001

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 <http://assist.daps.dla.mil>.