

[INCH-POUND]  
A-A-59352A  
15 October 2011  

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SUPERSEDING  
A-A-59352  
12 October 2000

## COMMERCIAL ITEM DESCRIPTION

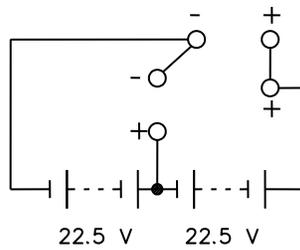
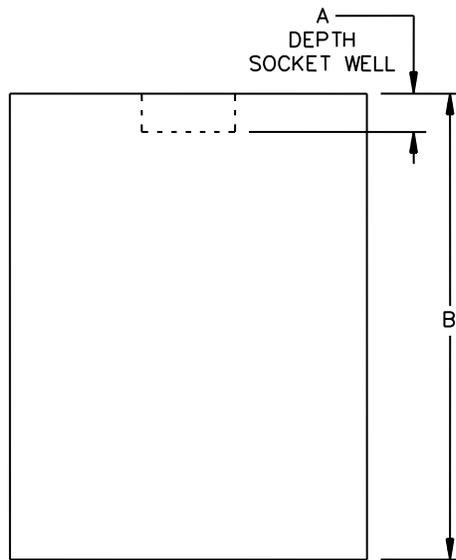
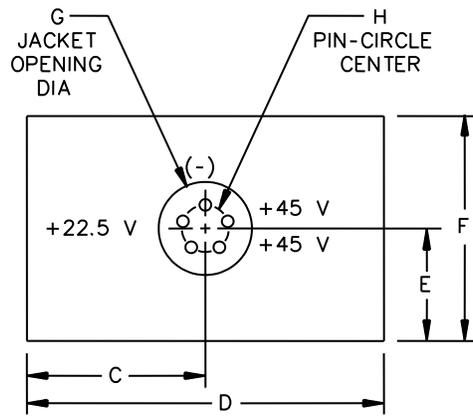
### BATTERY, DRY, BA-223/U

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

1. **SCOPE.** This commercial item description (CID) covers the general requirements for a +22.5/45 V dc dry-cell battery. The battery is intended for use in portable electronic and communication equipment, flashlights, test equipment, and radio sets powered by non-rechargeable dry cell batteries.
2. **CLASSIFICATION/PART OR IDENTIFICATION NUMBER (PIN).** This CID uses a classification system that is included in the PIN. The PIN shall be AA59352 (see [7.1](#)).
3. **SALIENT CHARACTERISTICS.**
  - 3.1 **Interface and physical dimensions.** Batteries supplied to this CID shall be as specified herein and shall meet the requirements of [NEMA C18.1M Part 1](#) (see [figure 1](#)).
  - 3.2 **Voltage rating.** The battery shall provide two nominal voltages: +22.5 V dc and +45 V dc.
  - 3.3 **Weight.** The battery weight shall not exceed 3 pounds, 4 ounces.
  - 3.4 **Cell type.** Cells shall meet the requirements of [ANSI Number 1191SO of NEMA C18.1M, Part 1](#).
  - 3.5 **Dimensions.** The batter shall meet the dimensional requirements shown in figure 1.
  - 3.6 **Marking.** Batteries supplied to this CID shall be marked with the manufacturer's (MFR's) standard commercial PIN. (NOTE: The part number marked on the unit pack shall be the CID PIN.)
  - 3.7 **Recycled, recovered, or environmentally preferable materials.** Recycled, recovered, or environmentally preferable materials should be used to the maximum extent possible provided that the material meets or exceeds the operational and maintenance requirements, and promotes economically advantageous life cycle costs.
  - 3.8 **Workmanship.** Batteries shall be processed in such a manner as to be uniform in quality and shall be free from other defects that will affect life, serviceability, or appearance.

Beneficial comments, recommendations, additions, deletions, clarifications, etc., and any data that may improve this document should be sent to: DLA Land and Maritime, Columbus, ATTN: VAT, P.O. Box 3990, Columbus, OH 43218-3990, or email <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 <https://assist.daps.dla.mil>.

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TYPICAL SCHEMATIC

FIGURE 1. Configuration and dimensions.

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Ltr	Inches		mm	
	Min	Max	Min	Max
A	.438	---	11.11	---
B	5.250	5.375	133.35	136.54
C	1.968	2.094	50.00	53.19
D	4.000	4.126	101.60	104.80
E	1.218	1.344	30.94	34.14
F	2.500	2.626	63.50	66.69
G	1.000	1.126	25.39	28.59
H	.473	.598	12.01	15.19

NOTES:

1. Dimensions are in inches.
2. Unless otherwise specified, tolerance is  $\pm 0.063$  inch (1.59 mm).

FIGURE 1. Configuration and dimensions.

4. REGULATORY REQUIREMENTS. The offeror/contractor is encouraged to use recovered materials to the maximum extent practicable, in accordance with 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.

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

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.

7.2 Environmentally preferable material. Environmentally preferable materials should be used to the maximum extent possible to meet the requirements of this specification. As of the dating of this document, the U.S. Environmental Protection Agency (EPA) is focusing efforts on reducing 31 priority chemicals. The list of chemicals and additional information is available on their website <http://www.epa.gov/osw/hazard/wastemin/priority.htm>. Included in the EPA list of 31 priority chemicals are cadmium, lead, and mercury. Use of these materials on the list should be minimized or eliminated unless needed to meet the requirements specified herein (see Section 3).

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

7.4 Source of documents.

FEDERAL REGULATIONS

FAR - Federal Acquisition Regulations (FAR).

(Copies of this document are available online at <http://www.acquisition.gov/comp/far/index.html> from the U.S. Government Printing Office, 732 North Capital Street, NW, Washington D.C. 20401-0001).

Other Publications

NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION (NEMA)

NEMA C18.1M PART 1 - Portable Primary Cells and Batteries with Aqueous Electrolyte.

(Copies of this document are available online at <http://www.nema.org/> or from the National Electrical Manufacturers Association, 1300 North 17<sup>th</sup> Street, Rosslyn, Virginia 22209-3811).

(Industry association specifications and standards are generally available for reference from libraries. They are also distributed among technical groups and using Federal agencies.)

7.5 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.

7.6 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 acquisition to only the manufacturers shown.)

<u>MFR's CAGE</u>	<u>MFR's name and address</u>
51828	Bren-Tronics Incorporated 10 Brayton Court Commack, NY 11725-3197 Phone number: (631) 499-5155 Facsimile number (631) 499-5504 E-mail: <a href="mailto:sales@brentronics.com">mailto:sales@brentronics.com</a> Uniform Resource Locator (URL): <a href="http://www.brentronics.com/">www.brentronics.com/</a>

7.7 Part number (P/N) supersession data. These CID 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 II. P/N supersession data.

CID PIN	MFR's P/N <sup>1/</sup> CAGE 51828
AA59263	BT-70159

<sup>1/</sup> The manufacturer's P/N shall not be used for acquisition 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 PIN shown. For actual part marking requirements see 3.6.

7.8 Government users. To acquire information on obtaining these batteries from the Government inventory system, contact Defense Supply Center, Columbus, ATTN: FLC, Post Office Box 3990, Columbus, OH 43218-3990, or telephone (614) 692-3342.

7.8.1 National Stock Number (NSN). This CID is associated with NSN 6135-00-100-0464. Other NSNs may also correspond with this document. For up to date information on assigned NSN's, please contact the aforementioned DLA Land and Maritime office (See 7.8).

7.9 Changes from previous issue. Marginal notations are not used in this revision to identify changes with respect to the previous issue due to the extensiveness of the changes.

MILITARY INTERESTS:

Custodians:

Army - CR  
Navy - SH  
DLA - CC

Review Activities:

Army - AR  
Navy - MC, YD

CIVIL AGENCY COORDINATING ACTIVITY:

GSA - FAS

Preparing activity:

DLA - CC

Project 6135-2011-005

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.daps.dla.mil>.