METRIC
A-A-50628
9 February 1995

COMMERCIAL ITEM DESCRIPTION

BUZZER, ELECTRICAL, SHIPBOARD

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

1. Abstract. This commercial item description covers various types of buzzers for alarm and signalling purposes on naval ships.

2. Salient characteristics.

2.1 Mounting. Buzzers shall be two-point vertically mounted as specified on figure 1.

2.2 Enclosure. Buzzers shall be watertight. Enclosure shall be tapped at the bottom for conduit or cable entrance.

2.2.1 Watertight enclosure. An enclosure constructed so that a stream of water from a hose not less than 25.4 millimeters (mm) in diameter under a head of 11 meters (m) from a distance of 3 m can be played on the enclosure from any direction for a period of 15 minutes without leakage. The hose nozzle shall have a uniform diameter of 25.4 mm (see IEEE 45).

2.2.2 Grounding and bonding. Metallic enclosures shall be provided with a stud for grounding and bonding. Resistance between the tip and any point of the enclosure or any exposed metallic components shall be zero ohms when measured with a high quality ohmmeter. The stud shall be placed on the left side of the enclosure when viewed from the front of the buzzer.

Beneficial comments (recommendations, additions, deletions) and any pertinent data which may be of use in improving this document should be addressed to: Commander, SEA 03R42, Naval Sea Systems Command, 2531 Jefferson Davis Hwy, Arlington, VA 22242-5160 by using the self-addressed Standardization Document Improvement Proposal (DD Form 1426) appearing at the end of this document or by letter

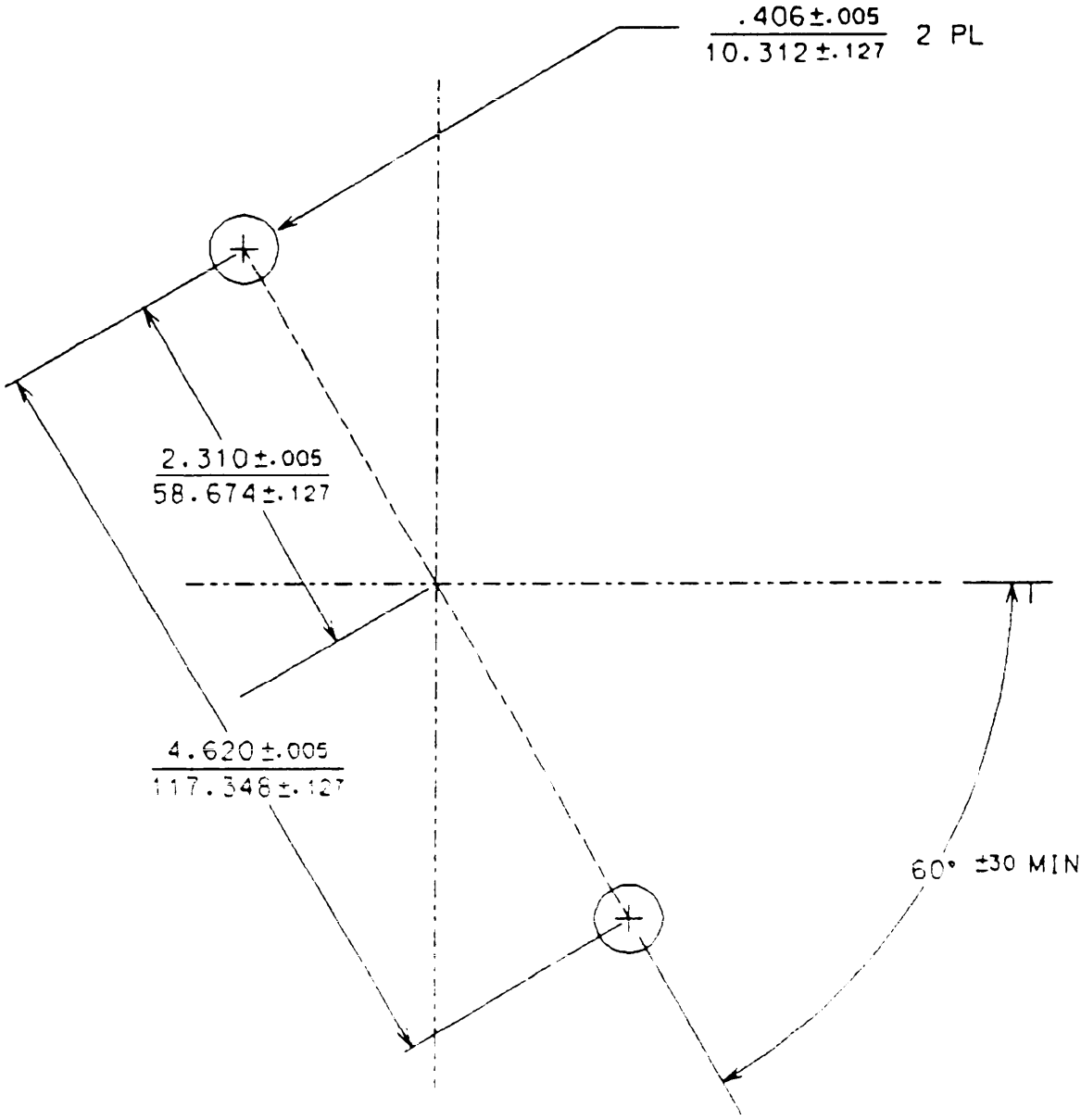

FIGURE 1. Mounting dimensions.

2.3 Electrical isolation. Electrical components shall be electrically isolated from the enclosure or any exposed metallic components. Electrical isolation shall be 100 megohm or greater when measured with a high quality, 500-volt megger.

2.4 Output. The output of the buzzer shall be 68 or 73 decibel (dB) as specified (see 6.1). Sound pressure output shall be based on a reference of 20 micropascal (μPa), and shall be measured at a distance of 3 m from the buzzer in accordance with ANSI S1.13.

2.5 Construction. Construction shall be such that no special tools are required for disassembly or reassembly.

2.6 Power. Operating voltages and frequencies shall be as specified (see 6.1). Operating voltages shall be 6, 12, 24, or 115 volts direct current or root mean square (rms) plus or minus 15 percent and operating frequency shall be 60 or 400 hertz (Hz) plus or minus 5 percent.

2.7 Preservation. Parts shall be of suitable corrosion resistant material or materials treated in a satisfactory manner to render them adequately resistant to corrosion.

3. Quality assurance provisions.

3.1 Contractor certification. The contractor shall certify and maintain substantiating evidence that the product offered meets the salient characteristics of this commercial item description and that the product conforms to the producer's own drawings, specifications, standards, and quality assurance practices. The Government reserves the right to require proof of such conformance prior to the first delivery and thereafter as may be otherwise provided for under the provisions of the contract.

3.2 Regulatory requirements. The offerer/contractor is encouraged to use recovered materials in accordance with Public Law 94-580 to the maximum extent practical.

4. Preservation, packaging, packing, labeling, and marking. The preservation, packaging, packing, labeling, and marking shall be as specified in the contract or order.

5. CID based part identification number. The following part identification numbering procedure is for Government purposes and does not constitute a requirement for the contractor.

A-A-50628 - 611A6 Example of part identification number.

- 611A6 — Variable characteristics
  - 6 = output level
  - 11 = operating voltage
  - A = alternating current
  - 6 = operating frequency
- A-A-50628 — CID number
- A-A-50628 - 611A6 — Designated commercial item description (CID)

6. Notes.

6.1 Acquisition requirements. Acquisition documents must specify the following:

(a) Output.
6 = 68 dB
7 = 73 dB

(b) Power.
06 = 6
12 = 12
24 = 24
11 = 115
D = Direct current
A = Alternating current (rms)
6 = 60 Hz
4 = 400 Hz

6.2 Documents.

(a) ANSI S1.13, Methods for Measurement of Sound Pressure Levels, is available from American National Standards Institute, 11 West 42nd Street, 13th Floor, New York, NY 10036.

(b) IEEE 45, Recommended Practice for Electric Installations on Shipboard, is available from Institute of Electrical and Electronic Engineers, Inc., 445 Hoes Lane, P.O. Box 1331, Piscataway, NJ 08855-1331.

CIVIL AGENCY COORDINATING ACTIVITY:
GSA - FSS

Preparing activity:
Navy - SH
(Project 6350-0138)

STANDARDIZATION DOCUMENT IMPROVEMENT PROPOSAL

INSTRUCTIONS

1. The preparing activity must complete blocks 1, 2, 3, and 8. In block 1, both the comment number and revision letter should be given.

2. The submitter of this form must complete blocks 4, 5, 6, and 7.

The preparing activity must provide a reply within 30 days from receipt of this form.

NOTE: This form may not be used to request copies of documents, nor to request waivers, or clarification of requirements on current contracts. Comments submitted on this form do not constitute or imply authorization to waive any portion of the referenced document(s) or to amend contractual requirements.

I RECOMMEND A CHANGE:	1. DOCUMENT NUMBER A-A-50628	2. DOCUMENT DATE (YYMMDD) 950209

3. DOCUMENT TITLE
BUZZER, ELECTRICAL, SHIPBOARD

4. NATURE OF CHANGE (identify paragraph number and include proposed rewrite, if possible. Attach extra sheets as needed.)

5. REASON FOR RECOMMENDATION

6. SUBMITTER

a. NAME (Last, First, Middle Initial)	b. ORGANIZATION	
c. ADDRESS (include Zip Code)	d. TELEPHONE (Include Area Code) (1) Commercial (2) DSN (if applicable)	7. DATE SUBMITTED (YYMMDD)

8. PREPARING ACTIVITY

a. NAME Technical Point of Contact (TPOC) MR. MARK GOUMAS, SEA 03K32 ADDRESS ALL CORRESPONDENCE AS FOLLOWS:	b. TELEPHONE (Include Area Code) (1) Commercial: DSN: TPOC: 703-602-7191 8-332-7191
c. ADDRESS (Include Zip Code) COMMANDER, NAVAL SEA SYSTEMS COMMAND ATTN: SEA 03R42 2531 JEFFERSON DAVIS HIGHWAY ARLINGTON, VA 22242-5160	IF YOU DO NOT RECEIVE A REPLY WITHIN 45 DAYS, CONTACT: Defense Quality and Standardization Office 5203 Leesburg Pike, Suite 1403 Falls Church, VA 22041-3466 Telephone 703-756-2340 DSN 289-2340