INCH-POUND
A-A-59126
26 September 1997
SUPERSEDING
MIL-T-55155C
26 September 1988

COMMERCIAL ITEM DESCRIPTION

TERMINALS, FEEDTHRU (INSULATED) AND TERMINALS, STUD (INSULATED AND NONINSULATED)

The General Services Administration has authorized the use of this commercial item description (CID) as a replacement for MIL-T-55155 for all federal agencies.

1. SCOPE

1.1 Scope. This CID covers the requirements for insulated feedthru terminals and insulated and noninsulated stud terminals.

2. CLASSIFICATION. Items procured under this CID shall be identified by part numbers as follows:

AA59126/XX	0	01
CID Sheet identifier	Insulation color	Item number

2.1 CID Sheet Identifier. The CID sheet identifier shall consist of the number of the CID, a slash (/), and a two-digit number denoting the CID sheet covering the item.

2.2 Insulation Color. The insulation color is indicated by a single digit, see Table I.

2.3 Item Number. The item number is indicated by a two-digit number.

Beneficial comments (recommendations, additions, deletions) and any pertinent data which may be of use in improving this document should be addressed to: Cdr, USA Communications-Electronics Command, ATTN: AMSEL-LC-LEO-E-EP, Fort Monmouth, NJ 07703.

AMSC N/A FSC 5940

Table I. Insulation color.

Symbol	Insulation color
0	Black
1	Brown
2	Red
3	Orange
4	Yellow
5	Green
6	Blue
7	Violet
8	Gray
9	White

3. SALIENT CHARACTERISTICS

3.1 CID Sheets. The individual item requirements shall be as described herein and in accordance with the applicable CID sheet. In the event of any conflict between the requirements of this CID and the CID sheet, the latter shall govern.

3.2 Materials. Unless otherwise specified herein, materials shall conform to the manufacturer's specifications/standards. The use of recycled or reclaimed materials is acceptable provided that all requirements of this CID are met (see 4.1). Materials shall be fungus inert.

3.3 Design and Construction. The terminals shall conform to the manufacturer's design and construction. The dimensions shall be in accordance with the individual CID sheet.

3.3.1 Conductor Material and Finish. The conductors of insulated terminals and the entire body of noninsulated terminals shall be made of brass or bronze and shall have a finish that provides for ease of solderability using normal industrial assembly materials and processes. Pure tin finish should not be used so as to avoid the potential for whiskering.

3.3.2 Mounting Base Material and Finish. Mounting bases shall be made of brass and shall have a finish that provides for ease of solderability using normal industrial assembly materials and processes. Pure tin finish should not be used so as to avoid the potential for whiskering.

3.3.3 Mounting Hardware. Mounting hardware shall have a finish that is electrolytically compatible with the finish on the mounting base to avoid dissimilar metal corrosion. Pure tin finish should not be used so as to avoid the potential for whiskering. Mounting hardware, including internal tooth lockwashers, shall be supplied with the terminals.

3.3.4 Insulation Colors. Insulation colors shall be in accordance with Table I. Manufacturer's standard (equivalent) colors are acceptable.

3.4 Performance.

3.4.1 Solderability. When a tinned copper wire is wrapped around the terminal or run through the terminal (depending on the configuration of the terminal) the connection shall be easily solderable with a soldering iron and rosin-core solder. The soldered joint shall have a smooth fillet over 95 percent of the interface between the wire and the terminal with no visible voids or dewetting.

3.4.2 Pull. The insulated terminals when mounted and subjected to an axial pull as specified on the individual CID sheet for at least 30 seconds, shall show no evidence of separation of the conductor from the insulation, or mounting base by more than 0.005 inch or of terminals pulling out of the mounting.

3.4.3 Torque. The insulated terminals, when mounted and subjected to a torque as specified on the individual CID sheet for at least 30 seconds, shall show no evidence of turning of the conductor within the insulation, or mounting base, or of terminals turning within the mounting.

3.5 Workmanship. Terminals shall be processed in such a manner as to be uniform in quality and shall be free from any defects that affect life, serviceability or appearance.

4. REGULATORY REQUIREMENTS

4.1 Recovered Materials. 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. QUALITY ASSURANCE PROVISIONS

5.1 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 practicess, and is the same product offered for sale in the commercial marketplace. The government reserves the right to require proof of such conformance prior to first delivery and thereafter as may be otherwise provided for under the provisions of the contract.

5.2 Market Acceptability (MA). The following market acceptability criteria are necessary to document the quality of the product to be provided under this CID.

5.2.1 The item offered must have been sold to the government or commercial market.

6. PACKAGING.

6.1 The packaging requirements shall be as specified in the contract or order (see 7.1).

7. NOTES

7.1 Ordering data. Acquisition documents must specify the following:

a. Title, number, and date of this CID and the required slash sheet, and part number.

b. Issue of the Department of Defense Index of Specifications and Standards (DoDISS) to be cited in the solicitation, and if required, the specific issue of individual documents.

c. Packaging requirements (see 6.1).

MILITARY INTERESTS:

Custodian:
Army - CR
Navy - EC
Air Force - 85

Reviewer:
DLA - GS

CIVIL AGENCY COORDINATING ACTIVITY:

GSA-7FXE

Preparing activity:
Army - CR

(Project No. 5940-1191)