

INCH-POUND
MIL-DTL-2726/29B
01 September 2006
SUPERSEDING
MIL-R-2726/29A(SH)
3 July 1986

DETAIL SPECIFICATION SHEET

RECEPTACLE, PLUG, ELECTRICAL, 4 POLE GROUNDED, 100 - AMPERE,
450 VOLT, 3 - PHASE (SYMBOL NO. I222)

Inactive for new design after 28 June 1999.

This specification is approved for use by all Departments
and Agencies of the Department of Defense.

The requirements for acquiring the product described herein shall consist of this
specification sheet and MIL-DTL-2726.

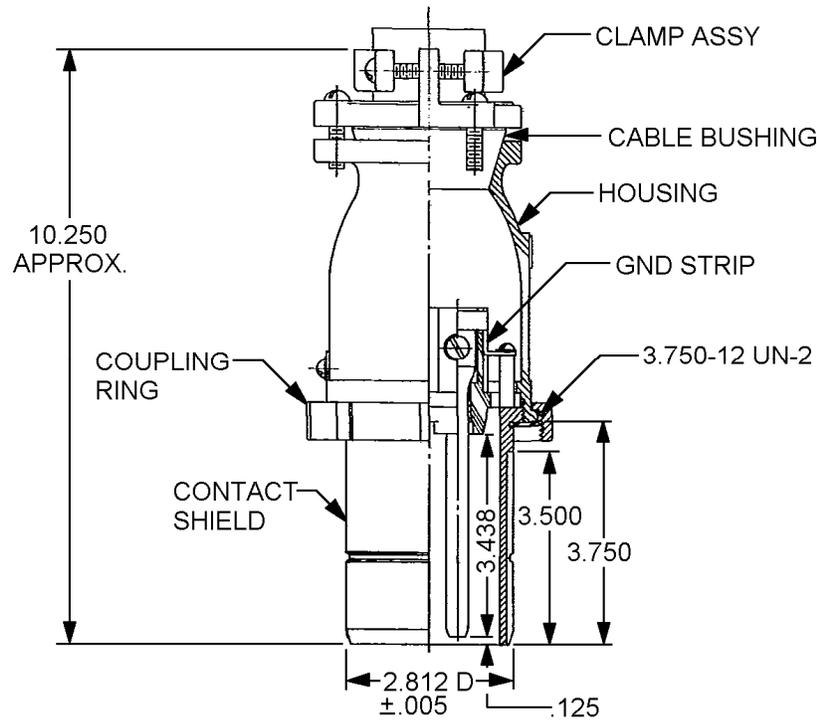
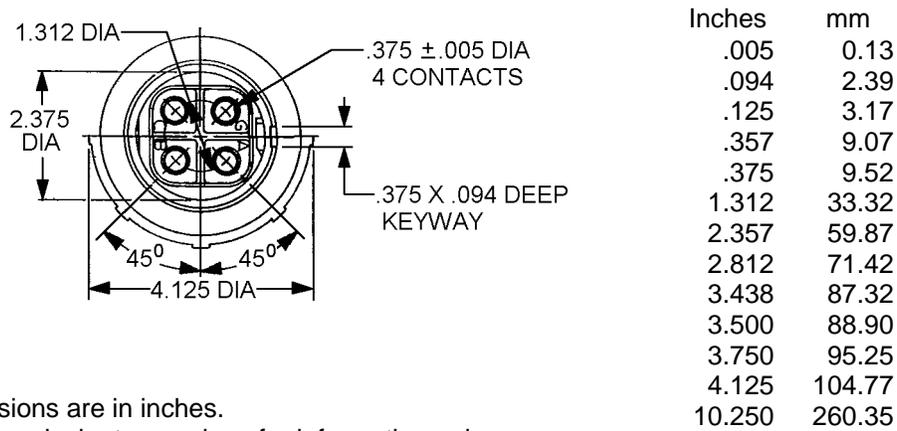


FIGURE 1. Dimensions and configurations.

MIL-DTL-2726/29B



NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for information only.
3. Unless otherwise specified, tolerances are $\pm .016$ (0.41mm) and $\pm .5^\circ$ on angles.

FIGURE 1. Dimensions and configurations - Continued.

REQUIREMENTS

Dimensions and configuration: See figure 1.

Contact resistance: When tested as specified in accordance with MIL-DTL-2726, the voltage drop shall not exceed 100 millivolts. Measured between the ends of two 24-inch lengths of test cable properly connected to a test receptacle and the plug, respectively.

Effectiveness of enclosure: Watertight in accordance with MIL-STD-108 when coupled with mating receptacle.

Strain relief: 40 pounds.

Contact hardness: Minimum of Rockwell 45B.

Mating receptacle: MIL-DTL-2726/28, Part or Identifying Number (PIN) M2726/28-001.

Test cable: Commercial, 4 conductor, size 1 (133 X 22), 600 volt, type W.

Design: Enclosed terminal barriers shall be provided.

PIN: M2726/29-001.

Electrical rating: 100-ampere, 450-volt, alternating current, 60-hertz.

Verification

Verification shall be as specified in MIL-DTL-2726 and table I herein. The first article and conformance inspections shall consist of the inspections as specified in table I, in the order shown.

TABLE I. First article and quality conformance inspection.

| Inspection | First article | Conformance |
|---------------------------------|---------------|-------------|
| Examination | X | X |
| Insulation resistance | X | X |
| Dielectric withstanding voltage | X | X |
| Contact resistance | X | X |
| Endurance | X | |
| Salt spray | X | |
| Contact resistance | X | |
| Current load | X | |
| Vibration | X | |
| Shock | X | |
| Effectiveness of Enclosure | X | X |
| Dielectric withstanding voltage | X | |
| Mechanical abuse | X | |
| Strain relief | X | |
| Rockwell hardness | X | |

Marginal notations are not used in this revision to identify changes with respect to the previous issue due to the extent of the changes.

Referenced documents. In addition to MIL-DTL-2726, this document references the following:

MIL-DTL-2726/28
MIL-STD-108

CONCLUDING MATERIAL

Custodians:
Navy - SH
DLA - CC

Preparing activity
DLA - CC

(Project 5935-4710-000)

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>.