

MILITARY SPECIFICATION SHEET

RECEPTACLE, ELECTRICAL, 4-POLE GROUNDED, 100-AMPERE,
450-VOLT, 3-PHASE (SYMBOL NO. 1221)

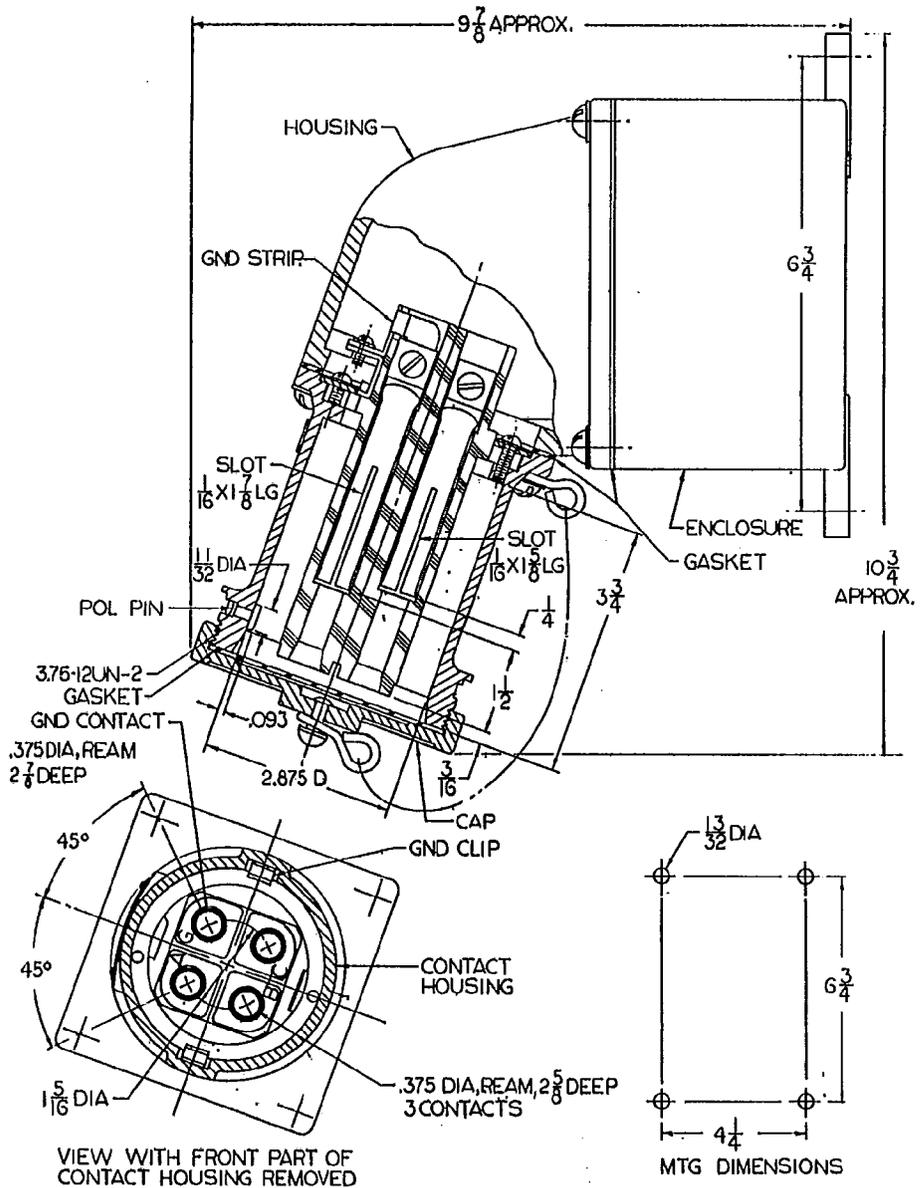
- Ⓐ This specification is approved for use within the Naval Sea Systems Command, Department of the Navy, and is available for use by all Departments and Agencies of the Department of Defense.
- Ⓐ The requirements for acquiring the receptacle described herein shall consist of this specification and the latest issue of MIL-R-2726.

Ⓐ denotes changes.

AMSC N/A

FSC 5935

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SH 9106

NOTES:

1. Dimensions are in inches. Unless otherwise specified, tolerances are $\pm 1/64$ inch for fractions and ± 0.005 inch for decimals. Angular tolerance is $\pm 1/2$ degree.

FIGURE 1. Dimensions and configuration.

REQUIREMENTS:

1. Dimensions and configuration: See figure 1.
2. Contact resistance: 100 millivolts. Measured between the end of two 24-inch lengths of test cable properly connected to a test plug and the receptacle, respectively.
3. Effectiveness of enclosure: Watertight in accordance with MIL-STD-108.
4. Contact hardness: Minimum of Rockwell 45B.
5. Mating plug: MIL-R-2726/29, part number M2726/29-001 (not furnished).
6. Test cable: Commercial, 4 conductor, size 1 (133 by 22), 660-volt, type W (not furnished).
7. Design: Enclosure and housing design optional - polyamide (nylon) or metal. Enclosed terminal barriers and a ground clip shall be provided.
8. Part number: M2726/28-001.
9. Electrical rating: 100-ampere, 450-volt, alternating current, 60-hertz.
10. Cap for maintaining watertight integrity shall be furnished.

QUALITY ASSURANCE:

Quality assurance shall be as specified in MIL-R-2726 and table I herein. The first article and quality 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	Requirement	Test method	First article	Quality conformance
Examination	3.1, 3.3, 3.4, 3.5, 3.6 and 3.7	4.6.1	X	X
Insulation resistance	3.5.1	4.7.1	X	X
Dielectric withstanding voltage	3.5.2	4.7.2	X	X
Contact resistance	3.5.3.1	4.7.3.1	X	X
Endurance	3.5.5	4.7.5	X	
Salt spray	3.5.11	4.7.11	X	
Contact resistance	3.5.3.1	4.7.3.1	X	
Current load	3.5.12	4.7.12	X	
Vibration	3.5.9	4.7.9	X	
Shock	3.5.10	4.7.10	X	
Effectiveness of enclosure	3.5.4	4.7.4	X	X
Dielectric withstanding voltage	3.5.2	4.7.2	X	
Rockwell hardness	3.5.14	4.7.14	X	

Preparing activity:
Navy - SH
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