

MIL-R-2726/8A(SH)  
3 July 1986  
SUPERSEDING  
MIL-R-2726/8(SHIPS)  
30 June 1967

MILITARY SPECIFICATION SHEET

RECEPTACLE, ELECTRICAL, 3-PIN GROUNDED, 50-AMPERE, 250-VOLT,  
DIRECT CURRENT (SYMBOL NOS. 757.1 AND 757.2)

- Ⓐ 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

DISTRIBUTION STATEMENT A Approved for public release; distribution unlimited

FSC 5935





REQUIREMENTS:

1. Dimensions and configurations: See figures 1 and 2.
2. Effectiveness of enclosure: Watertight in accordance with MIL-STD-108 when mounted in a suitable enclosure.
3. Material: Housing - optional - polyamide (nylon) or metal. Receptacle insulation and cap - in accordance with type MAI-50 of MIL-M-14. Contacts - in accordance with copper alloy number 175, HT temper MIL-C-46087.
4. Contact hardness: Minimum of Rockwell 80F.
5. Mating plug: MIL-R-2726/2, part number M2726/2-001 (not furnished).
6. Cap assembly: MIL-R-2726/13, part number M2726/13-001 (not furnished).
7. Design: Plastic housing and insulation may be a one piece molded unit.
8. Gasket: Neoprene, commercial (COML), durometer number 20. Lubricate with silicon compound.
9. O-ring: MS28775-229
10. Electrical rating: 50-ampere, 250-volt, direct current.
11. Part number: M2726/8-001 (metal housing and shell).  
M2726/8-002 (plastic body).
12. Contact finish: Silver plate.

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	
Mechanical abuse	3.5.8	4.7.8	X	
Ball drop impact	3.5.15	4.7.15	X	
Strain relief	3.5.7	4.7.7	X	
Rockwell hardness	3.5.14	4.7.14	X	

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Preparing activity:  
Navy - SH  
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