

INCH-POUND
MIL-DTL-2726/27C
01 September 2006
SUPERSEDING
MIL-R-2726/27B(SH)
3 July 1986

DETAIL SPECIFICATION SHEET

RECEPTACLE WITH SWITCH, ELECTRICAL, 60 - AMPERE, 208/117 - VOLT,
3 - PHASE, INTERLOCKING, GROUNDED (SYMBOL NO. 776.1)

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.

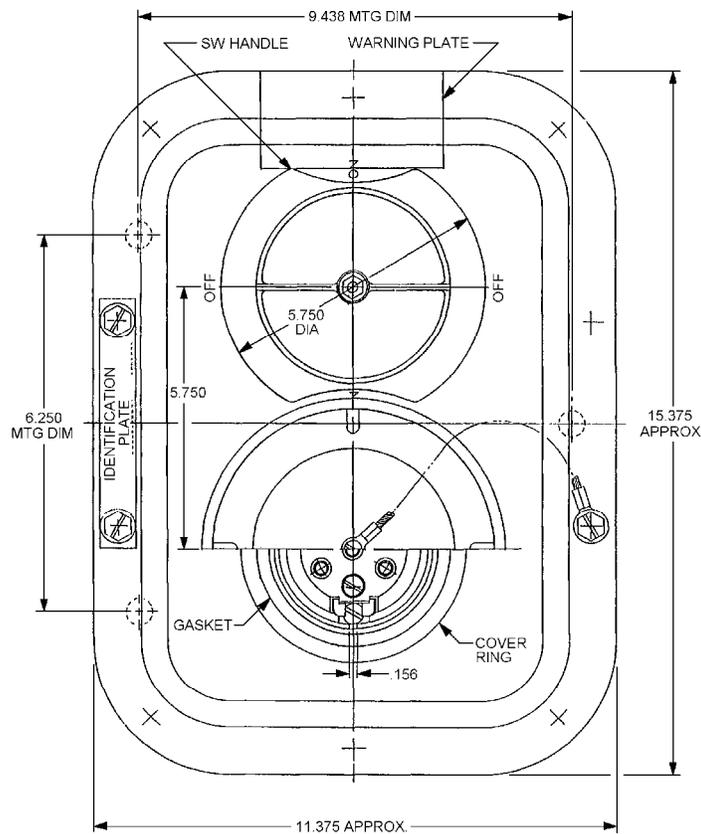
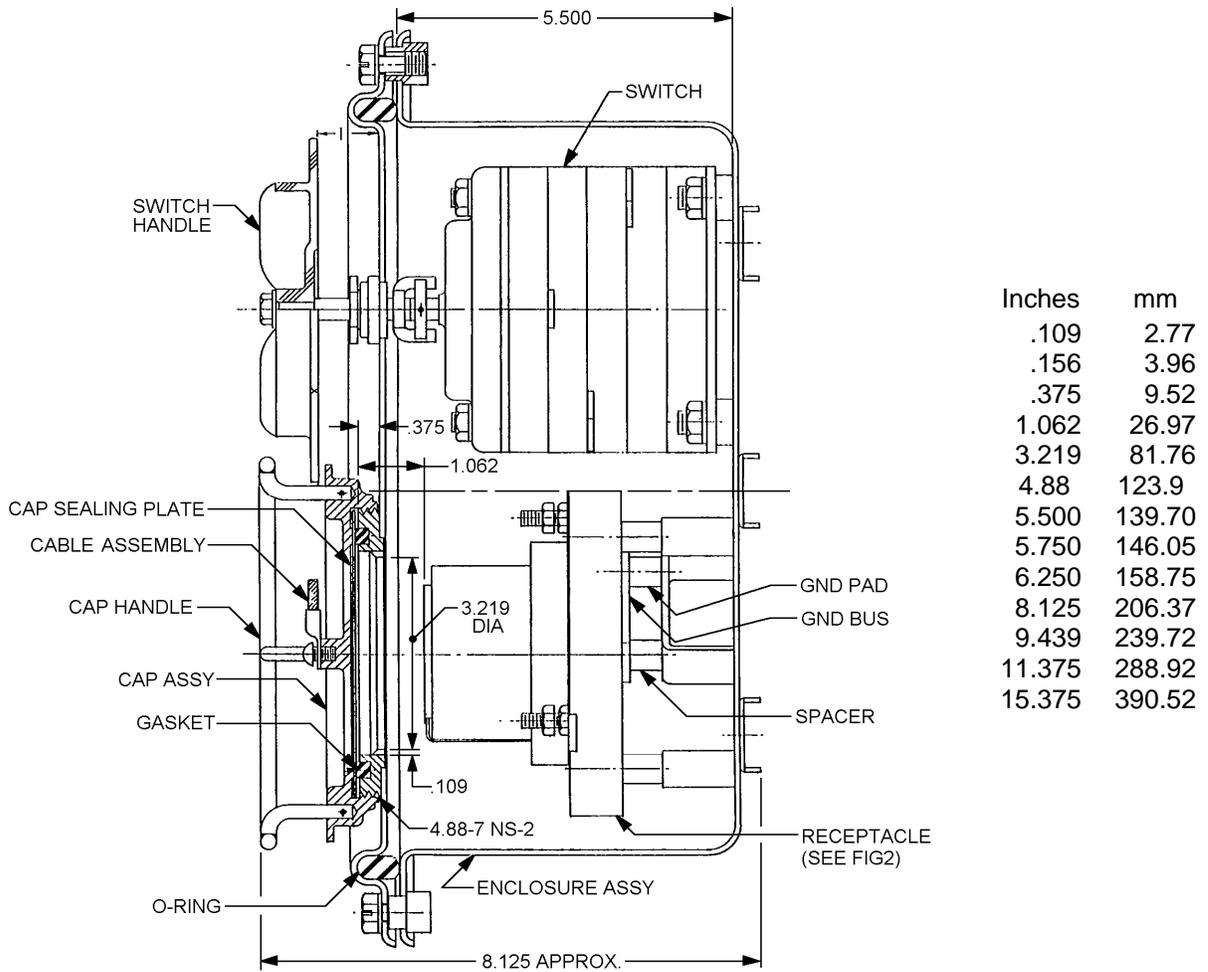


FIGURE 1. Receptacle with switch.

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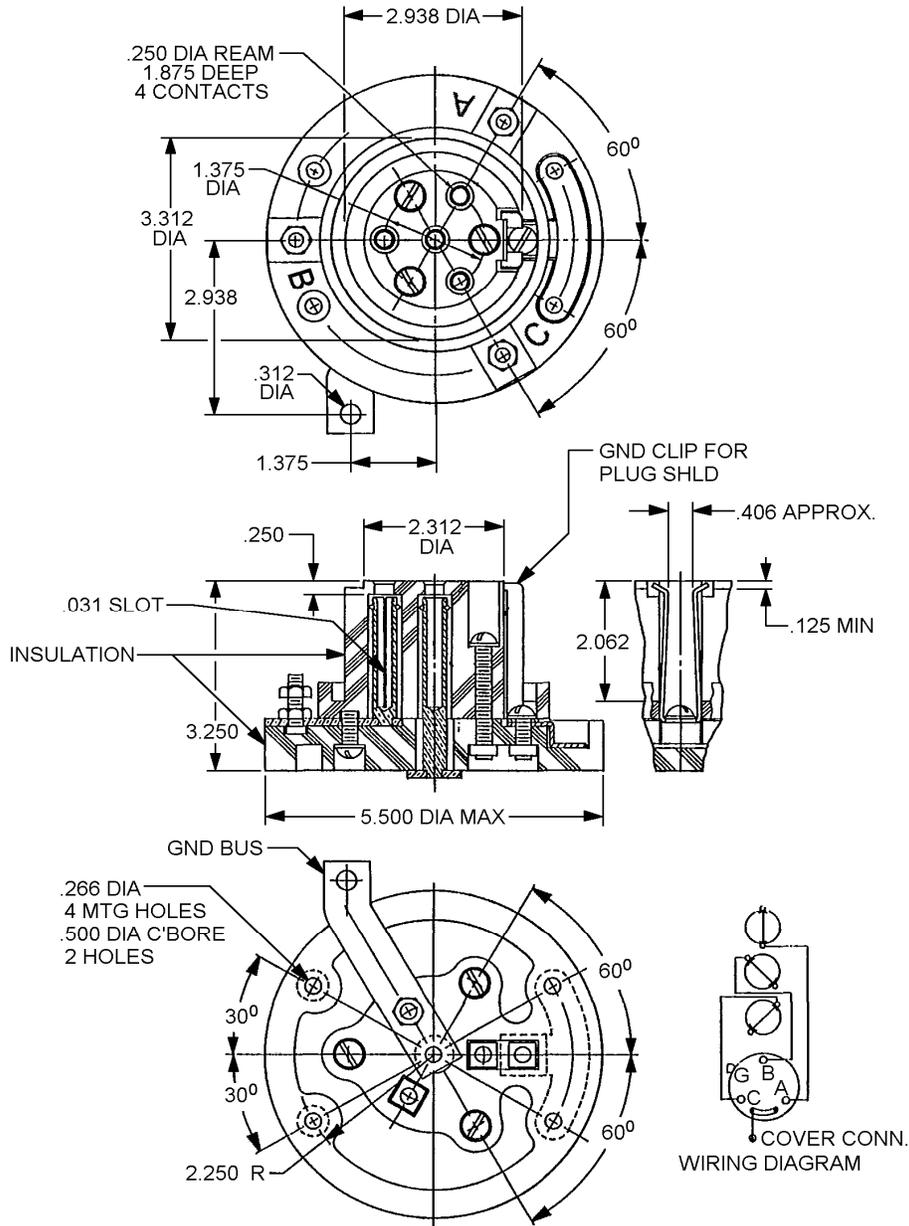


NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for information only.
3. Unless otherwise specified, tolerances are $\pm .016$ (0.41mm).
5. Part or Identifying Number (PIN) M2726/27-001.

FIGURE 1. Receptacle with switch – Continued.

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Inches	mm
.005	0.13
.031	0.79
.125	3.17
.250	6.35
.266	6.76
.312	7.92
.375	9.52
.406	10.31
.500	14.27
1.375	34.47
1.875	47.62
2.062	52.37
2.312	58.72
2.250	57.15
2.938	74.62
3.312	84.12
3.250	82.55
5.500	139.70

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.
4. PIN M2726/27-002.

FIGURE 2. Receptacle fitting.

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REQUIREMENTS

- Dimensions and configurations: See figures 1 and 2.
- Enclosure assembly: In accordance with MIL-E-24142/6, PIN M24142/6-002.
- Effective of enclosure: Submersible (15-foot) in accordance with MIL-STD-108.
- Switch: Rotary, in accordance with MIL-DTL-15291 type 6SR3A4.
- Mating plug: MIL-DTL-2726/26, PIN M2726/26-001.
- Gasket: In accordance with MIL-PRF-900, except that the hardness shall be durometer 65.
- Insulation: Shall be molded plastic in accordance with ASTM-D5948 type MAI-60 or MIL-I-24768/1 type GME.
- Electrical rating: 60-ampere, 208/117-volt, alternating current.
- Handle: The handle shall be of non-conducting material and designed to turn the switch on and off and also serve as an interlock to prevent removal or insertion of the plug and cap while the switch is in the "ON" position.
- PIN: M2726/27-001 (assembly), M2726/27-002 (receptacle fitting).
- Internal wiring: To be furnished.
- Contact finish: Silver plate.

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	
Vibration	X	
Shock	X	
Effectiveness of Enclosure	X	X
Dielectric withstanding voltage	X	
Operation	X	X

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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:

ASTM-D5948
MIL-DTL-2726/26
MIL-E-24142/6
MIL-I-24768/1
MIL-PRF-900
MIL-DTL-15291
MIL-STD-108

CONCLUDING MATERIAL

Custodians:
Navy - SH
DLA - CC

Preparing activity
DLA - CC

(Project 5935-4617-019)

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>.