

INCH-POUND
MIL-DTL-2726/48D
13 May 2005
SUPERSEDING
MIL-DTL-2726/48C
10 January 2003

DETAIL SPECIFICATION SHEET

RECEPTACLE AND SWITCH, ELECTRICAL, ENCLOSED, 15 - AMPERE,
125 - VOLT, INTERLOCKING, GROUNDED (SYMBOL NO. 900.1)

Reactivated after 13 May 2005 and may be used for
new and existing designs and acquisitions.

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.

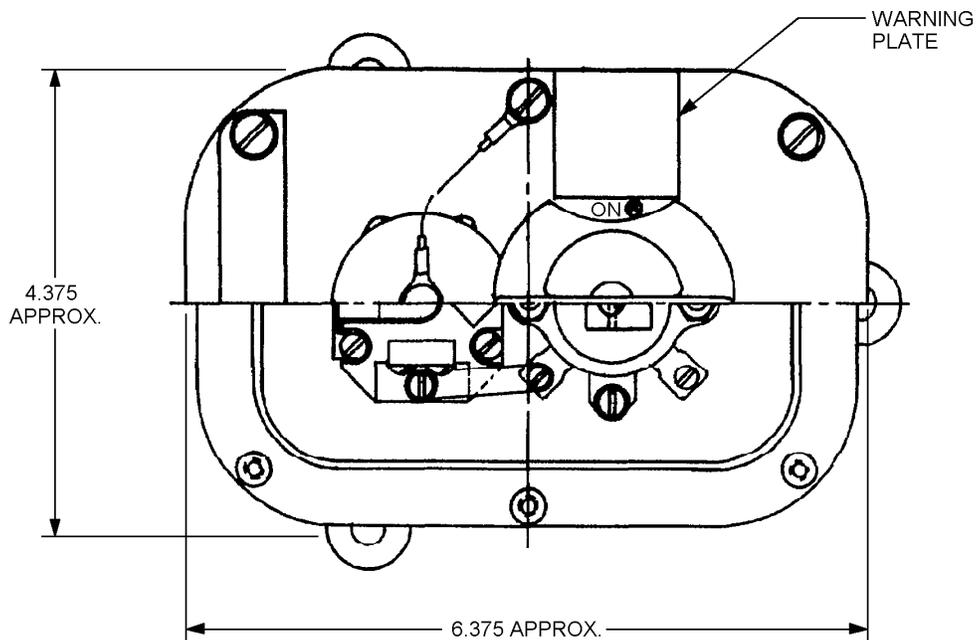


FIGURE 1. Dimensions and configuration.

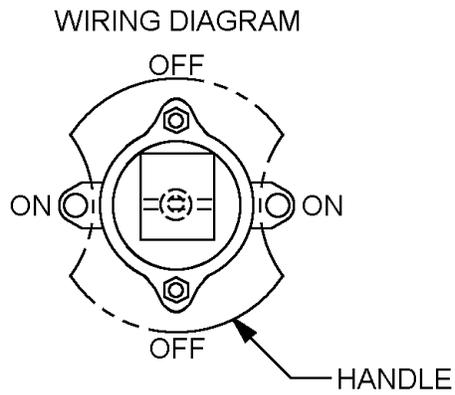
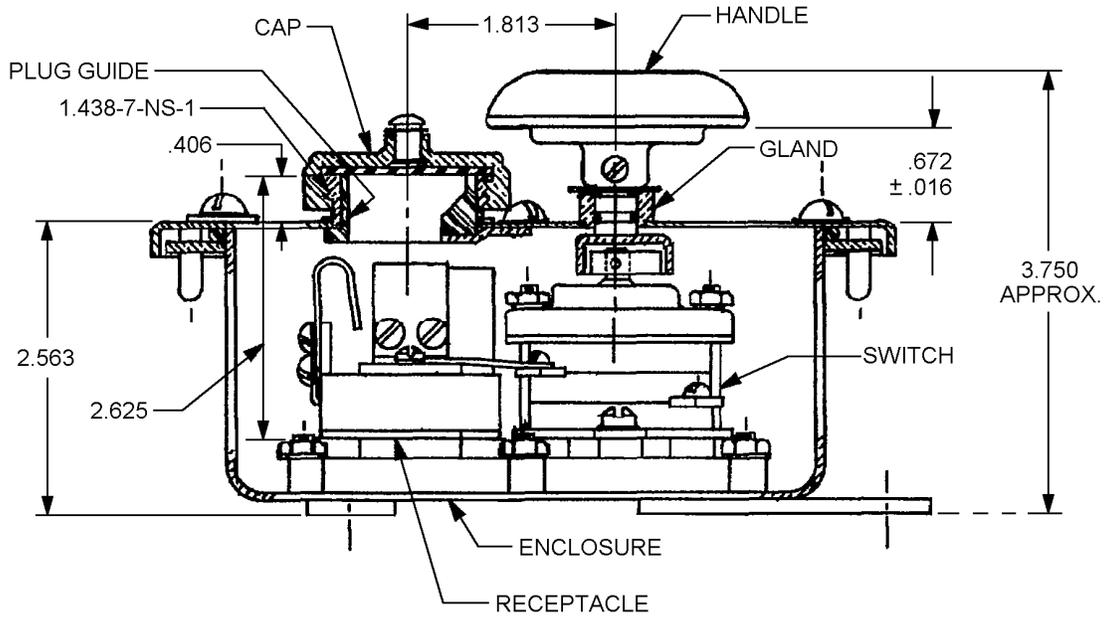
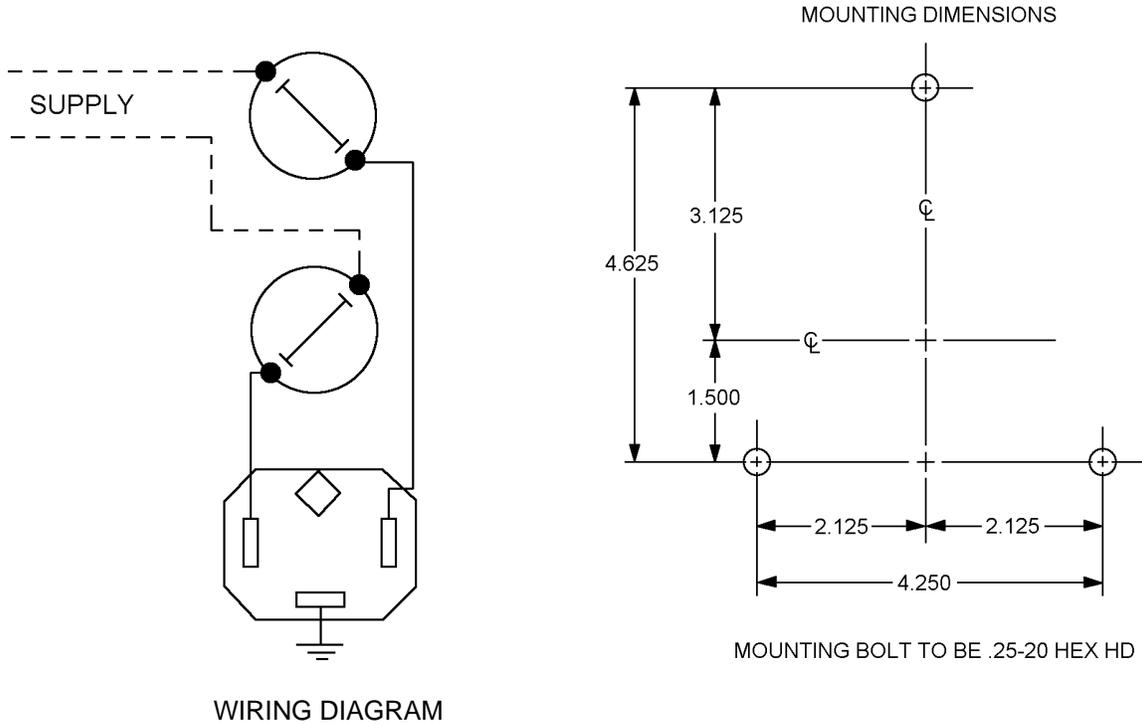


FIGURE 1. Dimensions and configurations - Continued.



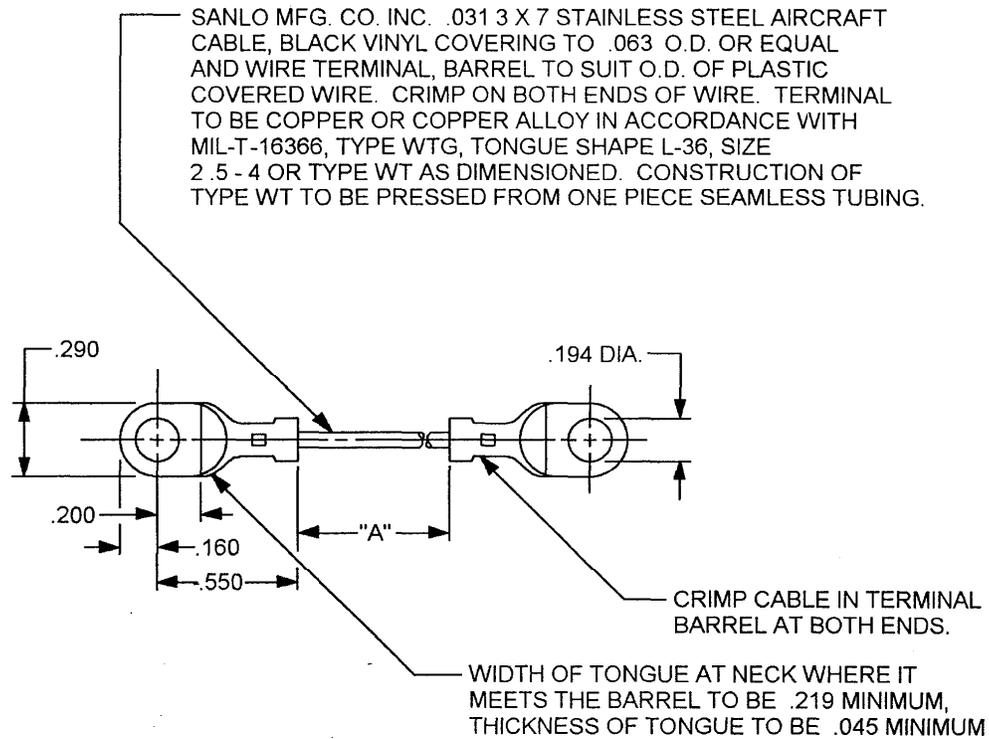
NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for information only.
3. Unless otherwise specified, tolerances are $\pm .016$ (0.41mm).
4. Supersedes Drawing 9000-S6202-74068, symbol 900.

Inches	mm
.016	0.406
.406	10.31
.672	17.07
1.438	36.53
1.500	38.10
1.813	46.05
2.125	53.98
2.563	65.10
2.625	66.67
3.125	79.38
3.750	95.25
4.250	107.95
4.375	111.12
6.375	161.92

FIGURE 1. Dimensions and configurations - Continued.

MIL-DTL-2726/48D



NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for information only.
3. Cable length "A" may be 6 inches or 10 inches.

Inches	mm
.031	0.79
.045	1.14
.160	4.06
.194	4.93
.200	5.08
.219	5.56
.290	7.37
.550	13.97
6.00	152.40
10.00	254.00

FIGURE 2. Cable assembly.

MIL-DTL-2726/48D

REQUIREMENTS:

Dimensions and configurations: See figures 1 and 2.

Effectiveness of enclosure: The plug shall be watertight in accordance with MIL-STD-108.

Material: All materials except those in the MIL-S-15291 rotary switch shall be nonmagnetic.

Receptacle: MIL-DTL-2726/47, Part or Identifying Number (PIN) M2726/47-002.

Plug guide: MIL-DTL-2726/47, PIN M2726/47-003.

Gland: Metal.

Cap: In accordance with Drawing 9000-S6202-74031-119.

Switch: Rotary, in accordance with type 1SR2A4 of MIL-S-15291.

Design: Switch and receptacle interlock required.

Mating plug: MIL-DTL-2726/50, PIN M2726/50-001 (not furnished).

PIN: M2726148-001.

Enclosure assembly: In accordance with MIL-E-24142/2, PIN M24142/2-001.

Cable assembly: In accordance with figure 2.

Electrical rating: 15 ampere, 125 volt.

Handle: The handle shall be of non-conducting material or plastic coated 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.

Examination and tests:

Requirements for first article and quality conformance, as shown below, shall be in accordance with MIL-DTL-2726. Examinations and tests shall be performed in the order shown (see table I).

Examination: Visual and dimensional examination shall meet the requirements for materials, design and construction, performance, marking and workmanship indicated in MIL-DTL-2726.

MIL-DTL-2726/48D

Tests: The following tests shall be required.

TABLE I. First article and quality conformance inspection.

Inspection	First article	Quality conformance
Insulation resistance	X	X
Dielectric withstanding voltage	X	X
Operation	X	X
Vibration	X	
Shock	X	
Salt spray	X	
Effectiveness of enclosure	X	X
Dielectric withstanding voltage	X	
Magnetic permeability	X	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-2726/47
- MIL-DTL-2726/50
- MIL-E-24142/2
- MIL-STD-108
- MIL-S-15291
- MIL-T-16366
- Drawing 9000-S6202-74031-119

CONCLUDING MATERIAL

Custodians:
Navy - SH
DLA - CC

Preparing activity
DLA - CC

(Project 5935-4721-000)

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>.