

INCH-POUND
MIL-DTL-2726/21B
01 September 2006
SUPERSEDING
MIL-R-2726/21A(SH)
3 July 1986

DETAIL SPECIFICATION SHEET

RECEPTACLE WITH SWITCH, ELECTRICAL, 30 - AMPERE, 250 - VOLT,
DIRECT CURRENT, INTERLOCKING, GROUNDED (SYMBOL NO. 917.1)

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.

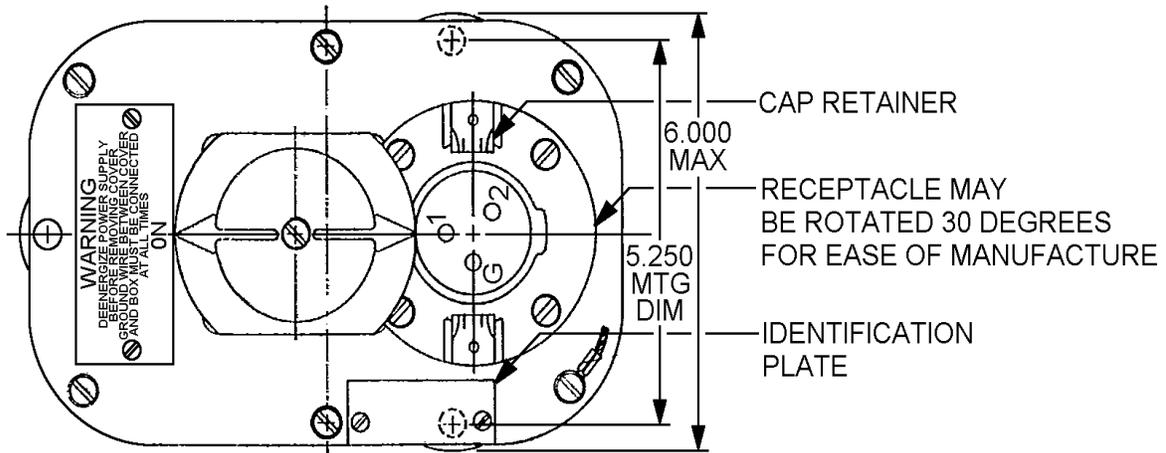
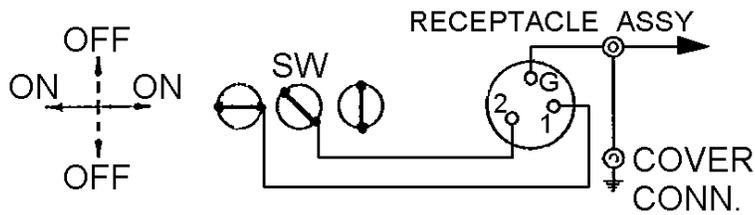
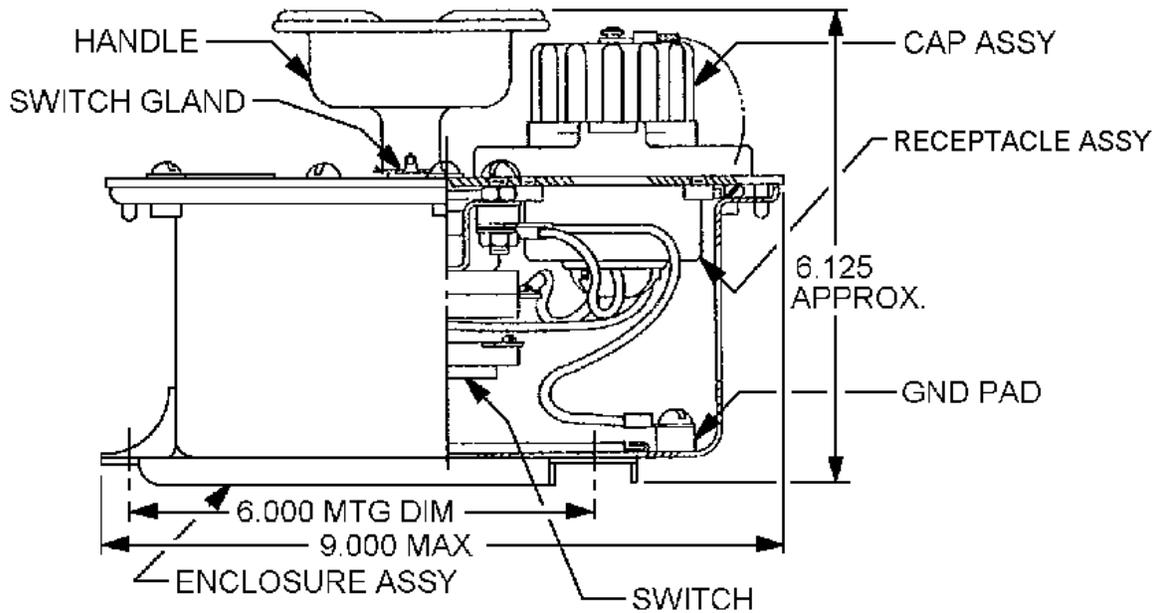


FIGURE 1. Dimensions and configurations.



WIRING DIAGRAM

| Inches | mm |
|--------|--------|
| 5.250 | 133.35 |
| 6.000 | 152.40 |
| 6.125 | 155.57 |
| 9.000 | 228.60 |

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 815 - 1197066, symbol 917.

FIGURE 1. Dimensions and configurations - Continued.

REQUIREMENTS

Dimensions and configurations: See figure 1.

Effectiveness of enclosure: Watertight in accordance with MIL-STD-108.

Receptacle: MIL-DTL-2726/8, Part or Identifying Number (PIN) M2726/8-001 or M2726/8-002.

Cap assembly: MIL-DTL-2726/13, PIN M2726/13-001.

Cap and plug retainer: Equivalent to retainer latch in accordance with MIL-DTL-2726/15
(may be modified as required, provided the function is not impaired).

Switch: Rotary, type 3SR3A4 in accordance with MIL-DTL-15291/7, PIN M15291/7-005.

Design: Switch and receptacle interlock required.

Mating plug: MIL-DTL-2726/2, PIN M2726/2-001.

Enclosure assembly: In accordance with MIL-E-24142/4, PIN M24142/4-001.

Switch gland: Metal.

PIN: M2726/23-001.

Electrical rating: 30 - ampere, 250 - volt, direct current.

Handle: The handle shall be of nonconducting material and designed to turn the switch on and off and also to serve as an interlock to prevent removal or insertion of the plug and cap while the switch is in the "ON" position.

Internal wiring shall be furnished.

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 1. First article and quality conformance inspection.

| Inspection | First article | Conformance |
|---------------------------------|---------------|-------------|
| Examination | X | X |
| 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 | |

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-15291/7
MIL-DTL-2726/2
MIL-DTL-2726/8
MIL-DTL-2726/13
MIL-DTL-2726/15
MIL-E-24142/4
MIL-STD-108

CONCLUDING MATERIAL

Custodians:
Navy - SH
DLA - CC

Preparing activity
DLA - CC

(Project 5935-4706-000)

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>.