

INCH-POUND  
MIL-DTL-24646/18C  
w/AMENDMENT 1  
28 January 2016  
SUPERSEDING  
MIL-DTL-24646/18C  
29 January 2015

DETAIL SPECIFICATION SHEET

FUSE BOXES, BRANCH JUNCTION, SUBMERSIBLE,  
(15 FEET), 125 VOLTS, TWO CONDUCTORS,  
0-30 AMPERE MIDGET FUSES  
SYMBOLS 671.1

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-24646](#).

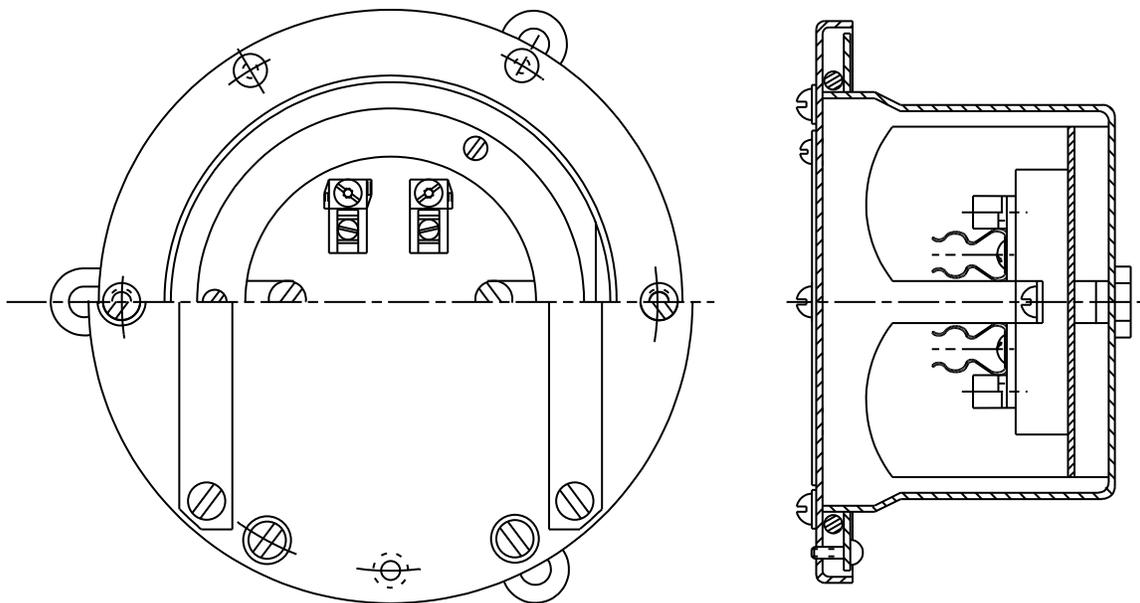


FIGURE 1. Fuse box assembly, typical. Item No. 01  
(Symbol 671.1 shown)

NOTES:

1. Dimensions are in inches.
2. Unless otherwise specified herein, tolerances shall be as follows:  
Two place decimals - plus or minus 0.02.  
Three place decimals - plus or minus 0.005.

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MIL-DTL-24646/18C  
w/AMENDMENT 1

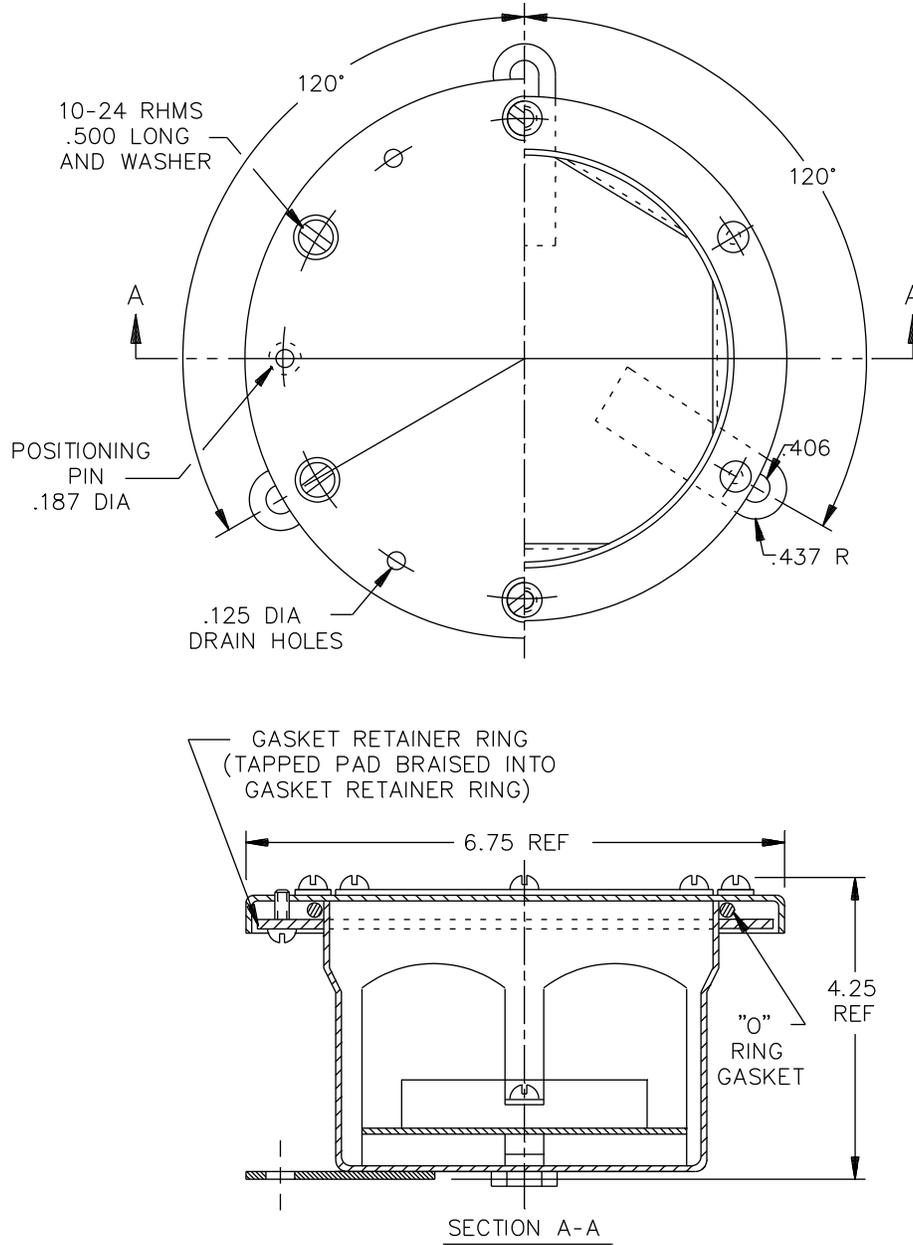


FIGURE 2. Enclosure, overall dimensions.  
(Symbol 671.1)

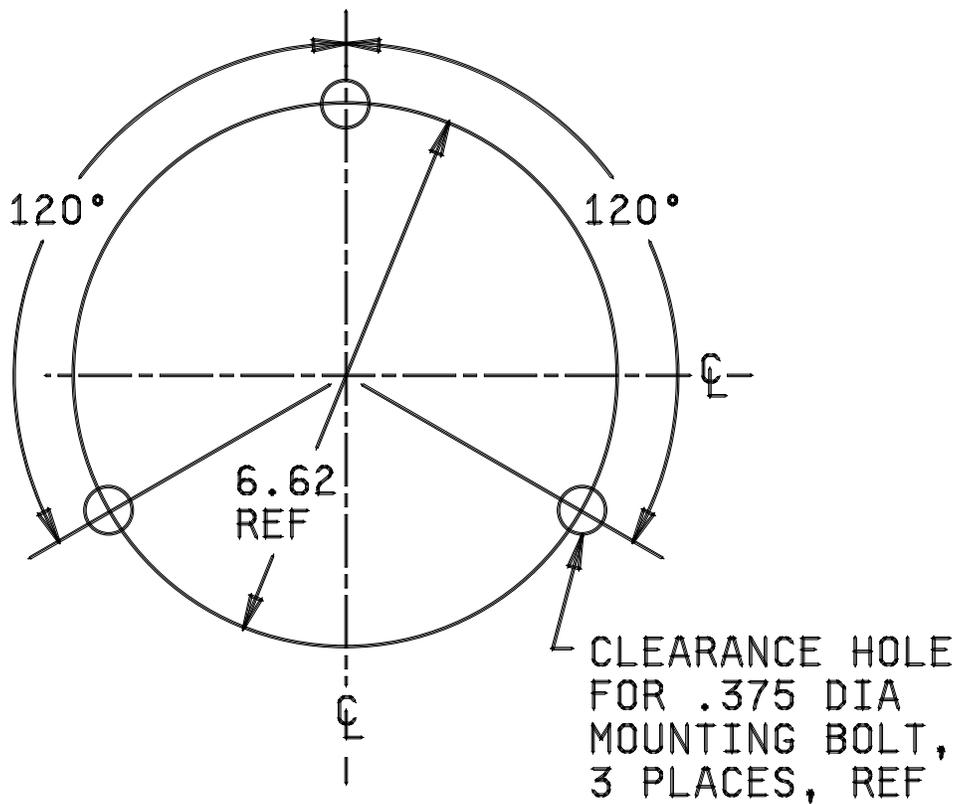
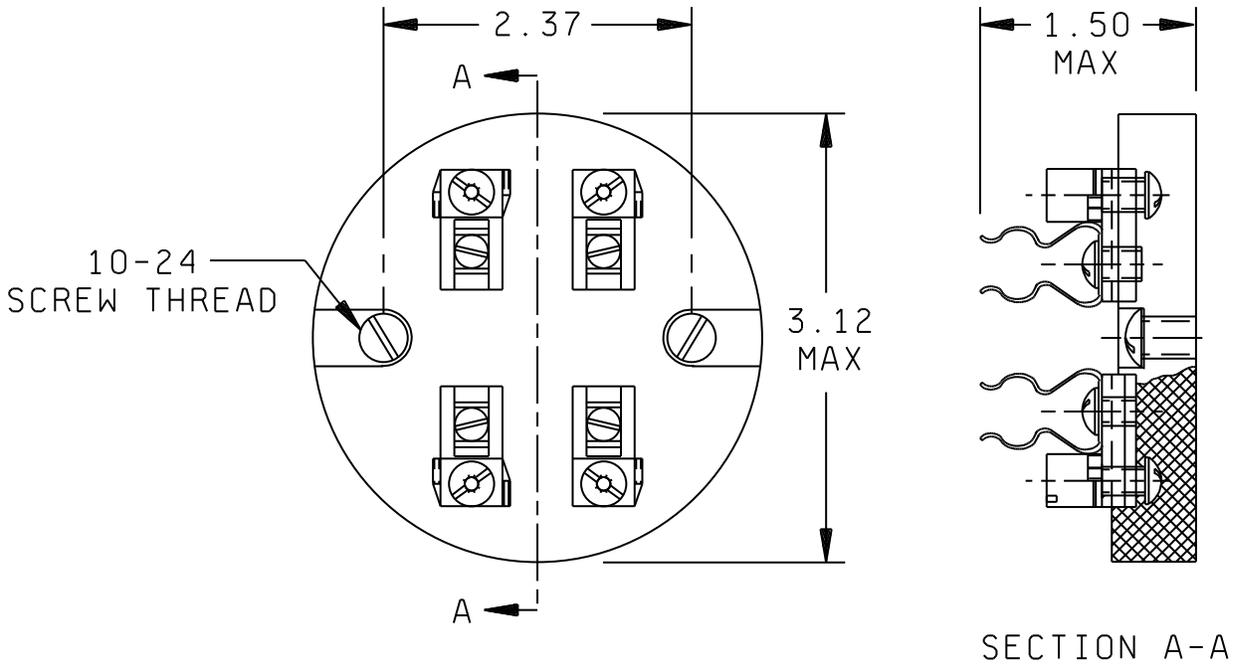


FIGURE 3. Mounting dimensions, ref.  
(Symbols 671.1)

MIL-DTL-24646/18C  
w/AMENDMENT 1



Fuse clip shall be installed in the orientation shown.

FIGURE 4. Fuse block assembly, typical. Item No. 03  
(Symbols 671.1)

MIL-DTL-24646/18C  
w/AMENDMENT 1

REQUIREMENTS

Symbol numbers: See [table I](#).

Design:

Electrical rating: 125 volts, 0-30 ampere.

Dimensions and configuration: See [figures 1, 2, 3 and 4](#).

Wiring diagrams: See [figure 5](#).

Mounting dimensions: See [figure 3](#).

Degree of enclosure: Submersible (15 feet).

Designation and marking: See [MIL-DTL-24646](#).

Parts: The parts listed in [table II](#) and specified in [MIL-DTL-24646](#) shall be used in the construction of the fuse boxes specified herein.

General information:

Military part numbers and general information is as specified in [table I](#).

TABLE I. Military part numbers and general information.

| Military part no. | Symbol no. | Approx. Weight in pounds<br>1/ | No. of circuits | Feeder MCM | Branch MCM | Fuse size | Bus bar size | Supersedes        |      |
|-------------------|------------|--------------------------------|-----------------|------------|------------|-----------|--------------|-------------------|------|
|                   |            |                                |                 |            |            |           |              | Drawing no.       | Type |
| M24646/18-001     | 671.1      | 3.5                            | 1               | ---        | ---        | 0-30A     | 0.50 x 0.25  | 9000-S-6202-74028 | -    |

1/ The weight of these fuse boxes may vary + or - 15 percent.

TABLE II. Parts list.

| Item no. 1/ | Description                   | QTY         | Material/<br>specification   | Remarks                      |
|-------------|-------------------------------|-------------|--|------------------------------|
|             |                               | M /-<br>001 |  |                              |
| 01          | Fuse box assembly (sym 671.1) | -           | MIL-DTL-24646/18   | See <a href="#">figure 1</a> |
| 02          | Enclosure (5R)                | 1           | M24142/5-003   | See <a href="#">figure 2</a> |
| 03          | Fuse block assembly           | 1           | MIL-DTL-24646/18   | See <a href="#">figure 4</a> |
| 04          | Fuse clip (midget 0-30A)      | 4           | A-A-55507/01-04  | N/A                          |
| 05          | Identification plate          | 1           | Brass, <a href="#">ASTM B36/B36M</a><br><a href="#">B121/B121M</a> | N/A                          |
| 06          | Information plate             | 1           | Brass, <a href="#">ASTM B36/B36M</a><br><a href="#">B121/B121M</a> | N/A                          |

1/ Item numbers after the figure titles are the same as the item numbers shown in this table.

Referenced documents. In addition to [MIL-DTL-24646](#), this document references the following:

[ASTM B36/B36M](#) [ASTM B121/B121M](#)

MIL-DTL-24646/18C  
w/AMENDMENT 1

The margins of this specification sheet are marked with vertical lines to indicate where changes from the previous issue were made. This was done as a convenience only and the Government assumes no liability whatsoever for any inaccuracies in these notations. Bidders and contractors are cautioned to evaluate the requirements of this document based on the entire content irrespective of the marginal notations and relationship to the last previous issue.

Custodian:  
Navy - SH  
DLA - CC

Preparing activity:  
DLA - CC

(Project 5920-2016-016)

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 <https://assist.dla.mil>.