

DETAIL SPECIFICATION SHEET

FUSE BOXES, FEEDER JUNCTION, SUBMERSIBLE,
(15 FEET), 500 VOLTS, ALTERNATING CURRENT, THREE PHASE BUSES,
0-30 AMPERE FUSES
SYMBOLS 693.1

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 and MIL-DTL-24646.

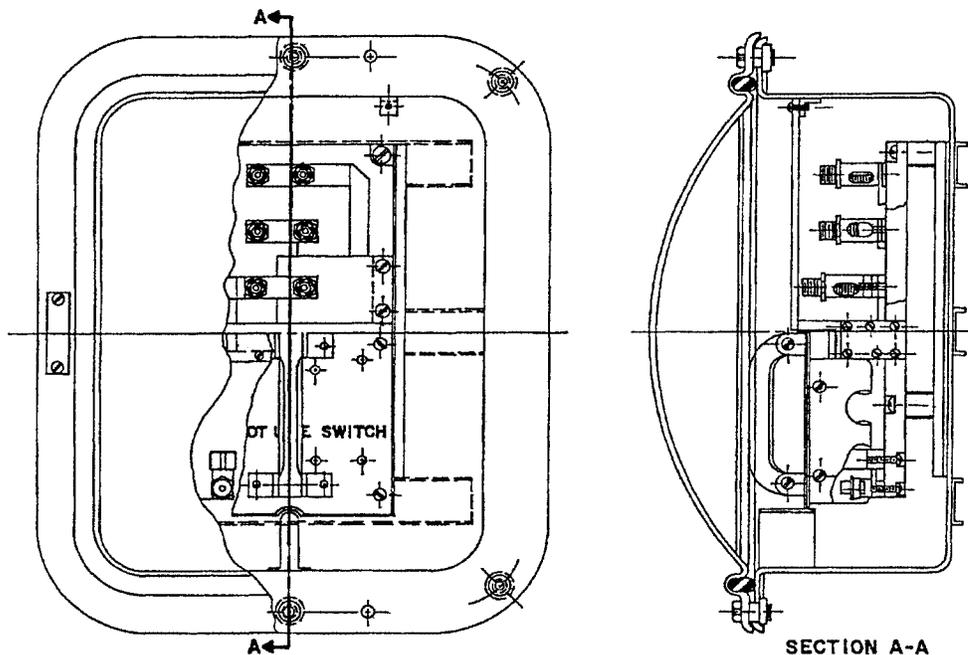


FIGURE 1. Fuse box assembly, typical. Item No. 01
(Symbol 693.1 shown)

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.

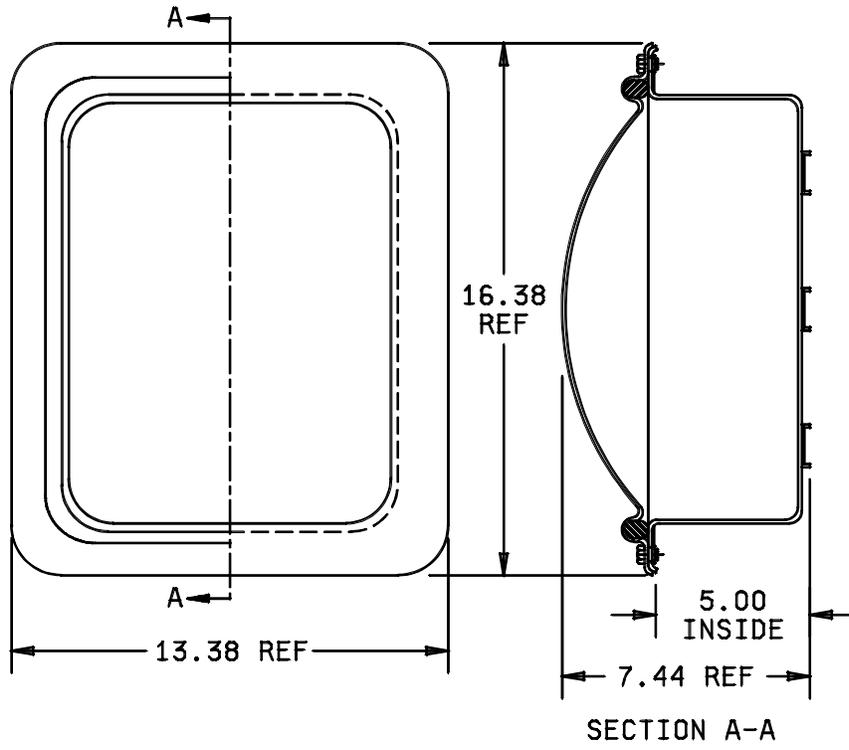


FIGURE 2. Enclosure, overall dimensions. 02
(Symbol 693.1)

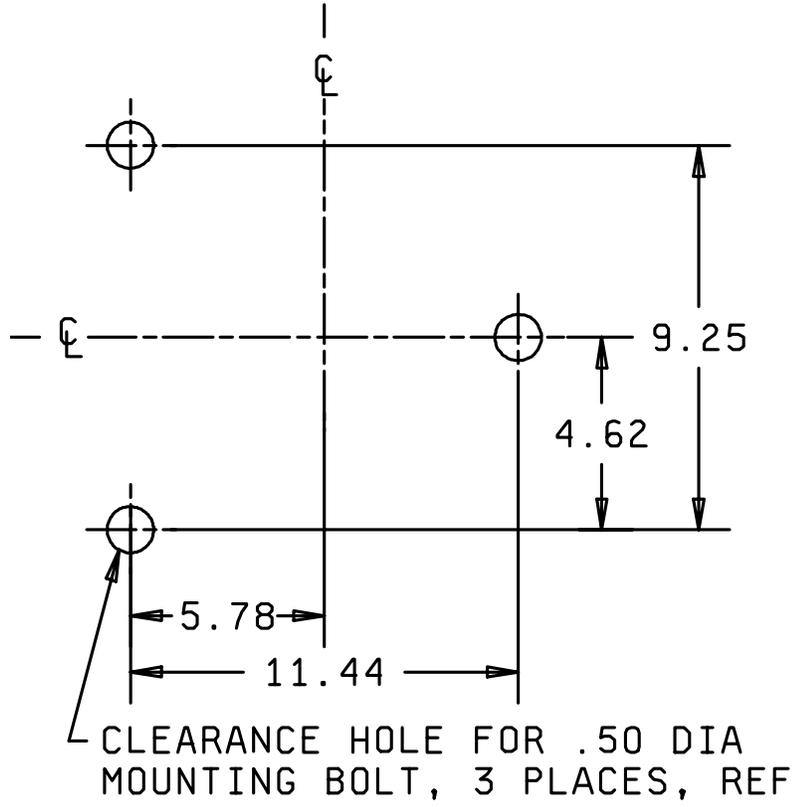


FIGURE 3. Mounting dimensions, ref.
(Symbols 693.1)

MIL-DTL-24646/17A

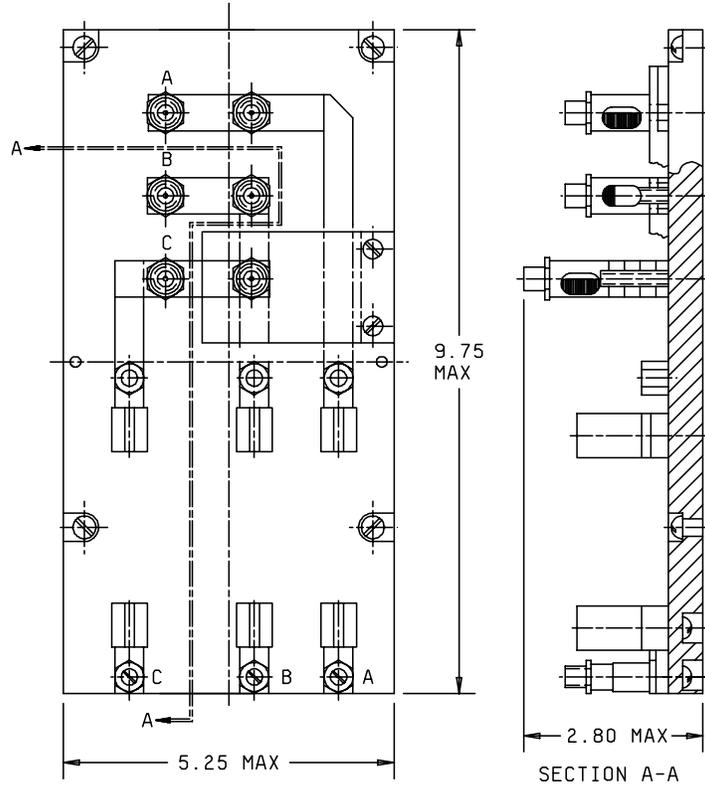


FIGURE 4. Fuse block assembly, typical. Item No. 03
(Symbols 693.1)

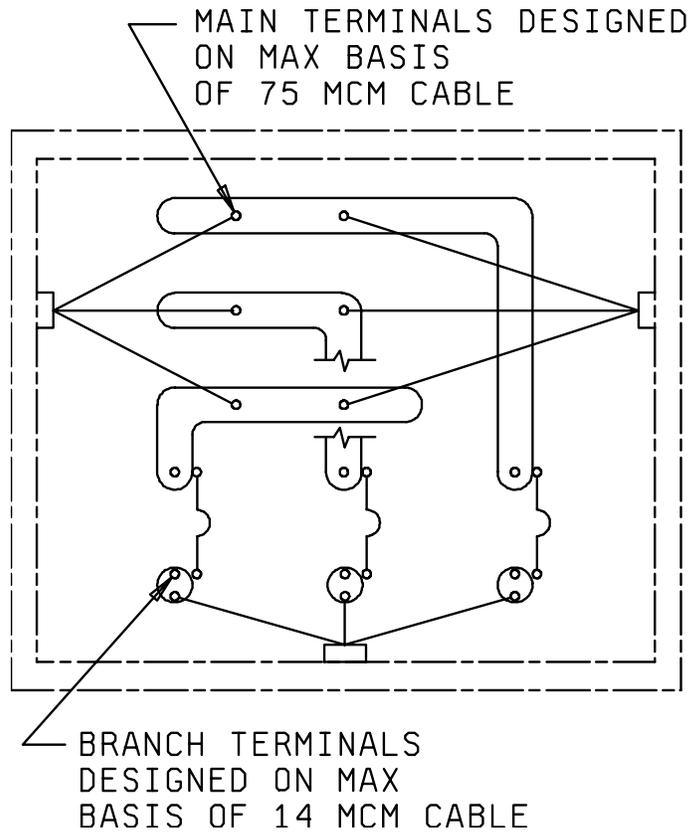


FIGURE 5. Wiring diagram. 04
(Symbol 693.1)

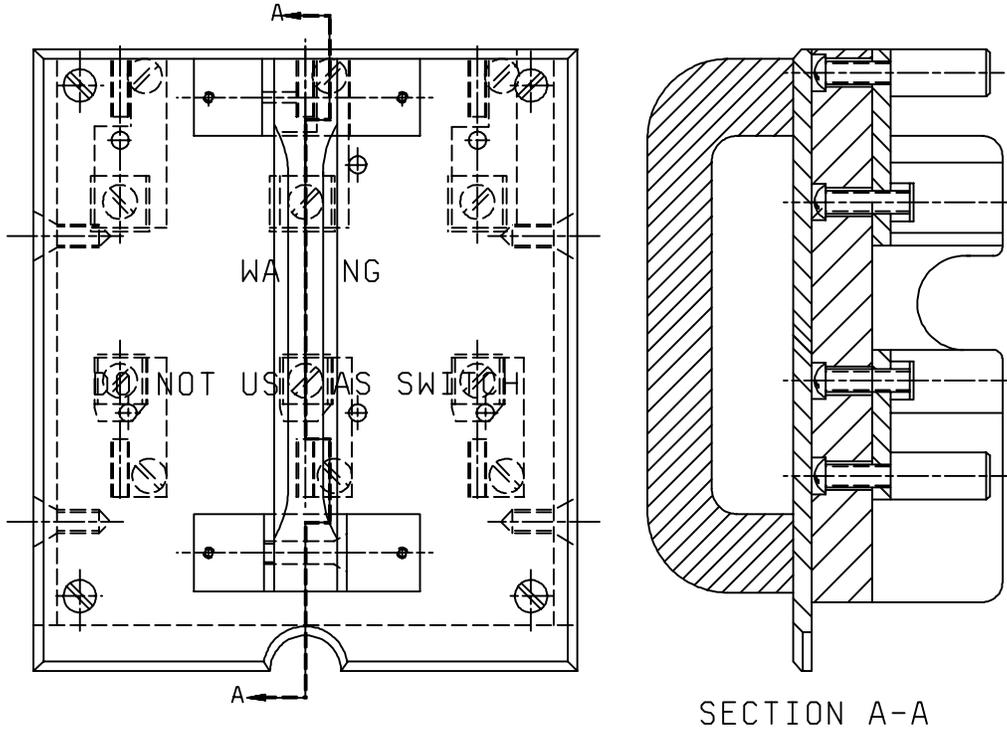


FIGURE 6. Fuse puller assembly, typical. Item No. 06

MIL-DTL-24646/17A

REQUIREMENTS

Symbol numbers: See table I.

Design:

Electrical rating: 500 volts alternating current, 0-30 ampere, 60 hertz.

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.

Fuse puller assembly: The fuse puller assembly shall have blades that engage the jaws fastened to the base. The blades shall spread the jaws. The jaws shall grip the blade with enough force to prevent heating when under full load.

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 are as specified in table I.

TABLE I. Military part numbers and general information.

Military part no.	Symbol no.	Weight in pounds	No. of circuits	Feeder MCM	Branch MCM	Fuse size	Bus bar size	Supersedes	
								Drawing no.	Type
M24646/17-001	693.1	29.0	1	75	14	0-30A	0.62 x 0.19	9000-S-6202-74191	-

TABLE II. Parts list.

Item no. <u>1/</u>	Description	QTY	Material/specification	Remarks
		M / - 001		
01	Fuse box assembly (sym 693.1)	-	MIL-DTL-24646/17	See fig. 1
02	Enclosure (10 x 13 x 5)	1	M24142/6-004	See fig. 2
03	Fuse block assembly	1	MIL-DTL-24646/17	See fig. 4
04	Wiring diagram	1	MIL-E-2036	See fig. 5
05	Fuse clip (0-30A)	6	AA55507/1-06	N/A
<u>2/</u> 06	Fuse puller assembly	1	----	See fig. 6
07	Identification plate	1	Brass, ASTM B36/B36M B121/B121M	N/A
08	Information plate	1	Brass, ASTM B36/B36M B121/B121M	N/A

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

2/ Warning shall be engraved on front of plate and filled with red enamel.

Custodian:
Navy - SH
DLA - CC

Preparing activity:
DLA - CC

(Project 5920-0758-13)