

DETAIL SPECIFICATION SHEET

FUSE BOXES, FEEDER DISTRIBUTION, SUBMERSIBLE,
(15 FEET), 250 VOLTS, ALTERNATING CURRENT, THREE PHASE BUSES,
SINGLE AND THREE PHASE BRANCHES, 0-30 AMPERE FUSES,
SYMBOLS 560.1, 561.1, 562.1, AND 563.1

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](#).

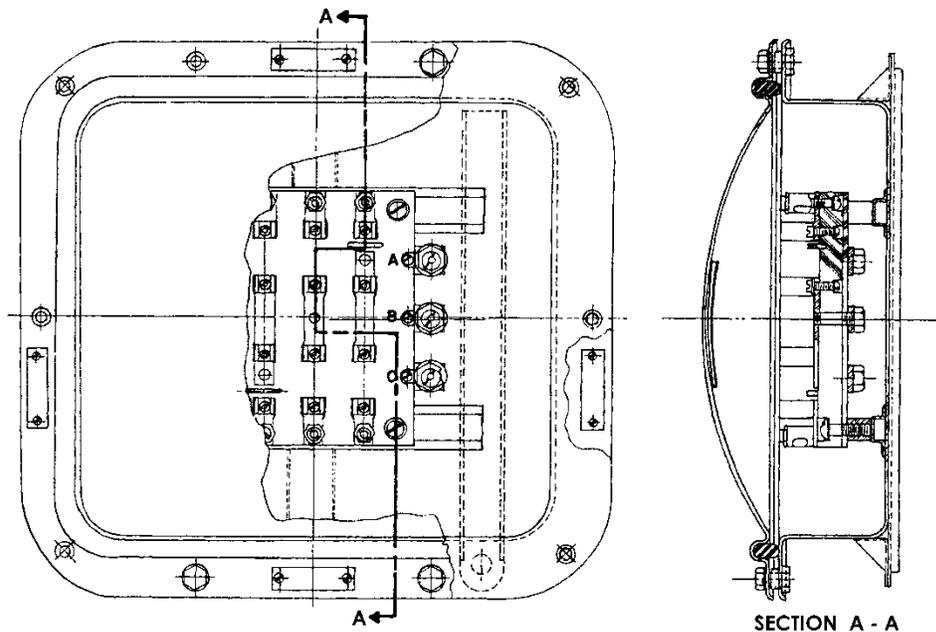


FIGURE 1. Fuse box assembly, typical. Item No. 01, 02, 03, 04
(Symbol 560.1 shown)

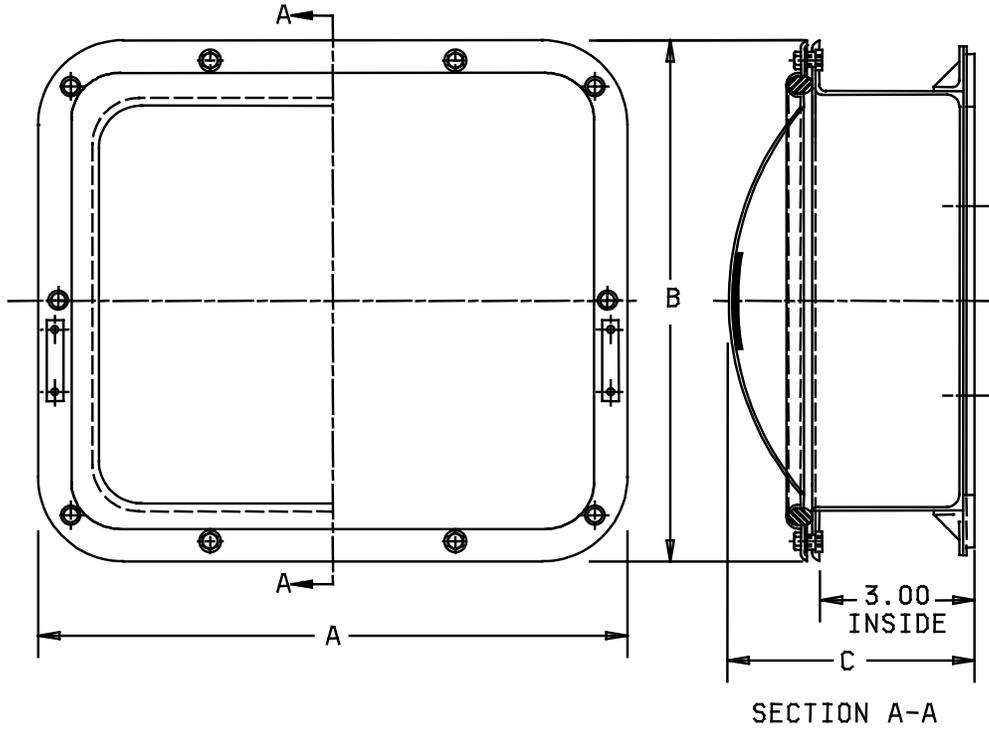
NOTES:

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.

AMSC N/A

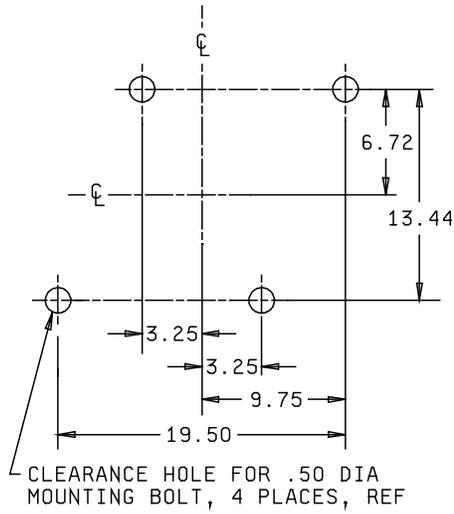
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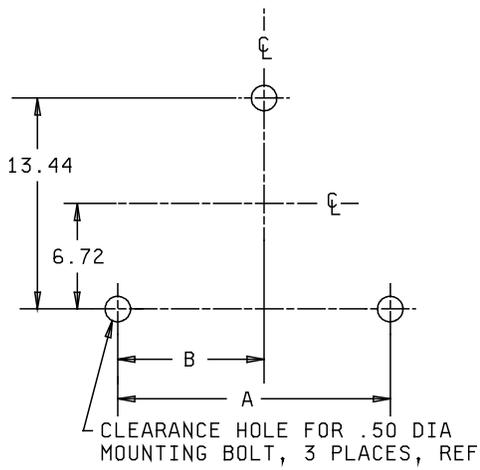


Symbol no.	Dimensions (ref)		
	A	B	C
560.1	16.38	15.38	5.62
561.1	20.38	15.38	5.62
562.1	27.38	15.38	5.62
563.1	16.38	15.38	5.62

FIGURE 2. Enclosure, overall dimensions. Item No. 05, 06, 07
(Symbols 560.1, 561.1, 562.1, and 563.1)



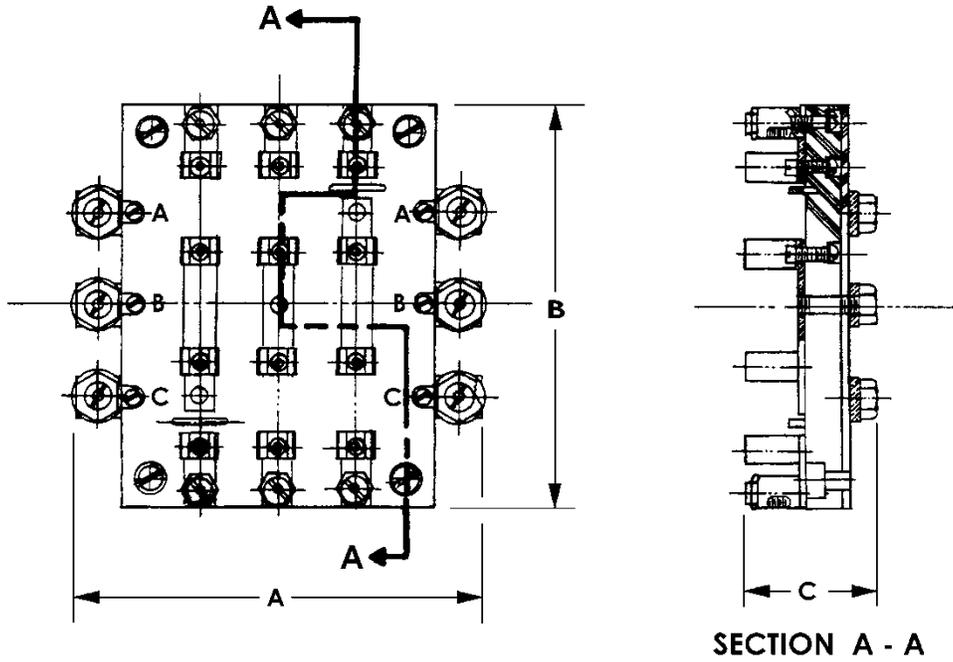
A. Symbols 562.1



B. Symbols 560.1, 561.1, and 563.1

SYMBOL NO	DIMENSIONS	
	A	B
560.1	9.25	4.62
561.1	12.00	6.00
563.1	9.25	4.62

FIGURE 3. Mounting dimensions, ref.

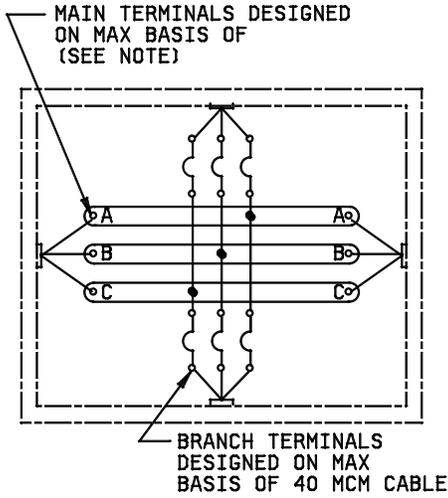


SYMBOL NO	DIMENSIONS		
	A	B	C
560.1	7.37	7.12	2.70
561.1	11.86	7.12	2.80
562.1	16.37	7.12	2.70
563.1	7.86	7.12	2.80

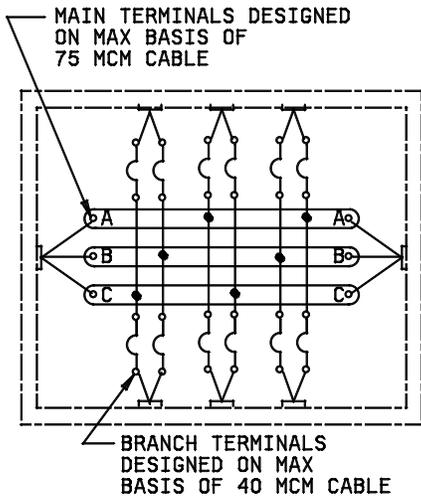
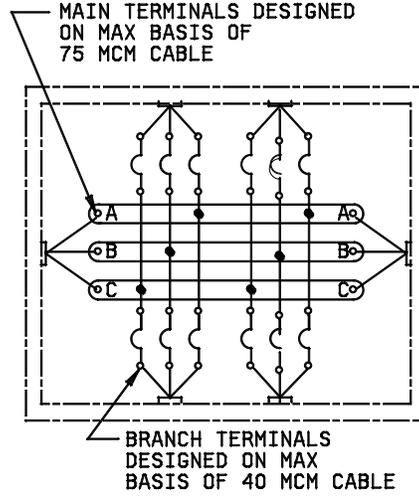
FIGURE 4. Fuse block assembly, typical. 08, 09, 10, 11
(Symbols 560.1, 561.1, 562.1 and 563.1)

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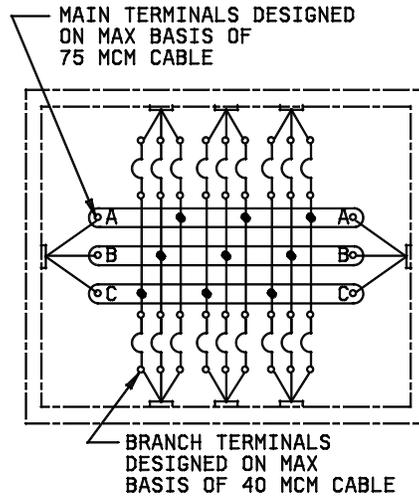
A. Two 3-phase branches
(Symbols 560.1 and 563.1)



B. Four 3-phase branches
(Symbol 561.1)



C. Six single-phase branches
(Symbol 561.1)



D. Six 3-phase branches
(Symbol 562.1)

NOTE: MAIN TERMINALS
SYMBOL 560.1 75 MCM
SYMBOL 563.1 200 MCM

FIGURE 5. Wiring diagrams. 12, 13, 14, 15

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REQUIREMENTS

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

Design:

Electrical rating: 250 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](#).

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.	Approx. Weight in pounds ^{1/}	No. of circuits	Feeder MCM	Branch MCM	Fuse size	Bus bar size	Supersedes	
								Drawing no.	Type
M24646/10-001	560.1	28.0	2	75	40	0-30A	0.75 x 0.19	9000-S-6202-74171	F-14A
M24646/10-002	561.1	35.5	4	75	40	0-30A	0.75 x 0.25	9000-S-6202-74172	F-16A
M24646/10-003	562.1	48.0	6	75	40	0-30A	0.75 x 0.19	9000-S-6202-74173	F-18A
M24646/10-004	563.1	29.2	2	200	40	0-30A	1.00 x 0.25	9000-S-803-74170	F-12A

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

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TABLE II. Parts list.

Item no. <u>1/</u>	Description	QTY M <u>-</u>				Material/ specification	Remarks
		001	002	003	004		
01	Fuse box assembly (sym 560.1)	-				MIL-DTL-24646/10	See figure 1
02	Fuse box assembly (sym 561.1)		-			MIL-DTL-24646/10	See figure 1
03	Fuse box assembly (sym 562.1)			-		MIL-DTL-24646/10	See figure 1
04	Fuse box assembly (sym 563.1)				-	MIL-DTL-24646/10	See figure 1
05 <u>2/</u>	Enclosure (12 x 13 x 3)	1			1	M24142/6-008	See figure 2 Type A mod
06 <u>2/</u>	Enclosure (12 x 17 x 3)		1			M24142/6-009	See figure 2 Type A mod
07 <u>2/</u>	Enclosure (12 x 24 x 3)			1		M24142/6-010	See figure 2 Type A mod
08 <u>2/</u>	Enclosure (12 x 13 x 3)				1	M24142/6-008	See figure 2 Type A mod
09	Fuse block assembly	1				MIL-DTL-24646/10	See figure 4
10	Fuse block assembly		1			MIL-DTL-24646/10	See figure 4
11	Fuse block assembly			1		MIL-DTL-24646/10	See figure 4
12	Fuse block assembly				1	MIL-DTL-24646/10	See figure 4
13	Wiring diagram	2				MIL-DTL-2036	See figure 5
14	Wiring diagram		2			MIL-DTL-2036	See figure 5
15	Wiring diagram			2		MIL-DTL-2036	See figure 5
16	Wiring diagram				1	MIL-DTL-2036	See figure 5
17	Fuse clip (0-30A)	12	24	36	12	A-A-55507/1-06	N/A
18	Identification plate	1	1	1	1	Brass, ASTM B36/B36M B121/B121M	N/A
19	Information plate	2	4	6	2	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/ Enclosure is same as [MIL-E-24142/6](#), except for inside depth which is 3 inches instead of 5 inches shown.

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

[MIL-DTL-2036](#) [MIL-E-24142/6](#) [ASTM B36/B36M](#) [ASTM B121/B121M](#)

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 5920-2015-007)

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>.