

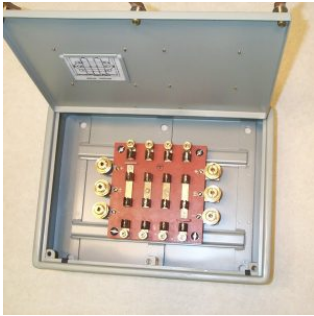
## Fuse Panels

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### Symbol 540

Fuse panel, 2 circuit, 0 - 30 amp fuses, 125/250 Volts DC, 3 wire main, 2 wire branches, Totally Enclosed steel enclosure. Main terminals accommodate up to 200 MCM cable, branch terminals accommodate up to 40 MCM cable. Uses Type F15 or F61 fuses. Military Part Number M24646/3-001 per MIL-DTL-24646/3. NSN 5920-00-178-1609. Image to follow .

(SYM 540)



### Symbol 541

Fuse panel, 4 circuit, 0 - 30 amp fuses, 125/250 Volts DC, 3 wire main, 2 wire branches, Totally Enclosed steel enclosure. Main terminals accommodate up to 200 MCM cable, branch terminals accommodate up to 40 MCM cable. Uses Type F15 or F61 fuses. Military Part Number M24646/3-002 per MIL-DTL-24646/3. NSN 5920-00-153-5788.

(SYM 541)



### Symbol 542

Fuse panel, 6 circuit, 0 - 30 amp fuses, 125/250 Volts DC, 3 wire main, 2 wire branches, Totally Enclosed steel enclosure. Main terminals accommodate up to 200 MCM cable, branch terminals accommodate up to 40 MCM cable. Uses Type F15 or F61 fuses. Military Part Number M24646/3-003 per MIL-DTL-24646/3. NSN 5920-00-153-5789. Image is of Symbol 541 which is the same only 4 circuit.

(SYM 542)



### Symbol 543

Fuse panel, Totally Enclosed, Steel, 450 Volts, 3 phase feed, 2 three phase branch circuits, for Type F15 (250 volt) or F61 (450 volt) fuses. Max feeder size 75 MCM. Max branch cable size 40 MCM. Symbol 543 per MIL-DTL-24646/4. Military Part Number M24646/4-001. NSN 5920-00-178-1624 or 5920-01-530-1469.

[Click here for the Drawing for 404-543](#)

(SYM 543)



### Symbol 544

Fuse panel, Totally Enclosed, Steel, 450 Volts, 3 phase feed, 4 three phase or 6 single phase branch circuits, for Type F15 (250 volt) or F61 (450 volt) fuses. Max feeder size 75 MCM. Max branch cable size 40 MCM. Symbol 544 per MIL-DTL-24646/4. Military Part Number M24646/4-002. NSN 5920-00-178-1625 or 5920-01-418-1752.

[Click here for the Drawing for 404-544](#)

(SYM 544)



### Symbol 545

Fuse panel, Totally Enclosed, Steel, 450 Volts, 3 phase feed, 6 three phase branch circuits, for Type F15 (250 volt) or F61 (450 volt) fuses. Max feeder size 75 MCM. Max branch cable size 40 MCM. Symbol 545 per MI-DTL-24646/4. Military Part Number M24646/4-003. NSN 5920-00-178-1626.

[Click here for the Drawing for 404-545](#)

(SYM 545)



### Symbol 546

Fuse panel, 2 circuit, for 31 - 60 amp fuses. Totally Enclosed, Steel, 450 Volts, 3 phase feed, 3 phase branch circuits, for Type F16 or F62 fuses. Max feeder size 200 MCM. Max branch cable size 40 MCM. Symbol 546 per MIL-DTL-24646/4. Military Part Number M24646/4-004. NSN 5920-00-178-1613.

(SYM 546)



### Symbol 547

Fuse panel, 4 circuit, for 31 - 60 amp fuses. Totally Enclosed, Steel, 450 Volts, 3 phase feed, 3 phase branch circuits, for Type F16 or F62 fuses. Max feeder size 200 MCM. Max branch cable size 40 MCM. Symbol 547 per MIL-DTL-24646/4. Military Part Number M24646/4-005. NSN 5920-00-178-1614.

(SYM 547)

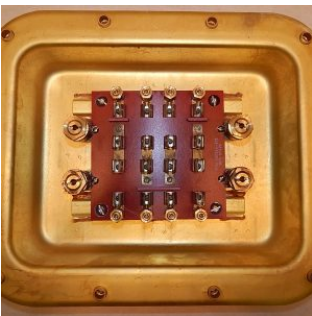
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### Symbol 555.1

Fuse panel, 2 circuit, no switches, single phase feed and loads. Submersible (SBM-15), 250 volts AC, 0-30 amp Type F09 fuses. For up to 200 MCM feeder, 40 MCM load cables connecting to compression type lugs per 9-S-73246 and 73055, respectively. Brass enclosure size 10 x 10 x 3 per MIL-E-24142/6. Symbol 555.1 per MIL-DTL-24646/9. Military P/N M24646/9-001. NSN 5920-00-296-4736. Weight 20.5 lbs.

[Click here for the Drawing for 404-555.1](#)

(SYM 555.1)



### Symbol 556.1

Fuse panel, 4 circuit, no switches, single phase feed and loads. Submersible (SBM-15), 250 volts AC, 0-30 amp Type F09 fuses. For up to 200 MCM feeder, 40 MCM load cables connecting to compression type lugs per 9-S-73246 and 73055, respectively. Brass enclosure size 10 x 13 x 3 per MIL-E-24142/6. Symbol 556.1 per MIL-DTL-24646/9. Military P/N M24646/9-002. NSN 5920-00-284-8327. Weight 26.2 lbs.

[Click here for the Drawing for 404-556.1](#)

(SYM 556.1)

□

### Symbol 557.1

Fuse panel, 6 circuit, no switches, single phase feed and loads. Submersible (SBM-15), 250 volts AC, 0-30 amp Type F09 fuses.

For up to 200 MCM feeder, 40 MCM load cables connecting to compression type lugs per 9-S-73246 and 73055, respectively. Brass enclosure size 10 x 16 x 3 per MIL-E-24142/6. Symbol 557.1 per MIL-DTL-24646/9. Military P/N M24646/9-003. NSN 5920-00-296-3357. Weight 31 lbs.

[Click here for the Drawing for 404-557.1](#)

(SYM 557.1)

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### Symbol 558.1

Fuse panel, 8 circuit, no switches, single phase feed and loads. Submersible (SBM-15), 250 volts AC, 0-30 amp Type F09 fuses. For up to 200 MCM feeder, 40 MCM load cables connecting to compression type lugs per 9-S-73246 and 73055, respectively. Brass enclosure size 10 x 18 x 3 per MIL-E-24142/6. Symbol 558.1 per MIL-DTL-24646/9. Military P/N M24646/9-004. NSN 5920-00-892-9315. Weight 35 lbs.

(SYM 558.1)

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### Symbol 559.1

Fuse panel, 12 circuit, no switches, single phase feed and loads. Submersible (SBM-15), 250 volts AC, 0-30 amp Type F09 fuses. For up to 200 MCM feeder, 40 MCM load cables connecting to compression type lugs per 9-S-73246 and 73055, respectively. Brass enclosure size 12 x 24 x 3 per MIL-E-24142/6. Symbol 559.1 per MIL-DTL-24646/9. Military P/N M24646/9-005. NSN 5920-00-024-0126. Weight 54.8 lbs.

[Click here for the Drawing for 404-559.1](#)

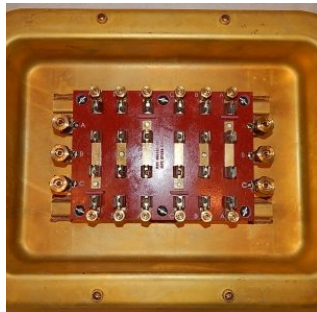
(SYM 559.1)

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### Symbol 560.1

Fuse panel, 2 circuit, no switches, 3 phase feed and 3 phase loads. Submersible (SBM-15), 250 volts AC, 0-30 amp Type F09 fuses. For up to 75 MCM feeder, 40 MCM load cables connecting to compression type lugs per 9-S-73246 and 73055, respectively. Brass enclosure size 12 x 13 x 3 per MIL-E-24142/6. Symbol 560.1 per MIL-DTL-24646/10. Military P/N M24646/10-001. NSN 5920-00-296-3869. Weight 28 lbs.

(SYM 560.1)



### Symbol 561.1

Fuse panel, 4 circuit, no switches, 3 phase feed, 6 single and 4 phase loads. Submersible (SBM-15), 250 volts AC, 0-30 amp Type F09 fuses. For up to 75 MCM feeder, 40 MCM load cables connecting to compression type lugs per 9-S-73246 and 73055, respectively. Brass enclosure size 12 x 17 x 3 per MIL-E-24142/6. Symbol 561.1 per MIL-DTL-24646/10. Military P/N M24646/10-002. NSN 5920-00-028-3963. Weight 35.5 lbs.

(SYM 561.1)

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### Symbol 562.1

Fuse panel, 6 circuit, no switches, 3 phase feed and 3 phase loads. Submersible (SBM-15), 250 volts AC, 0-30 amp Type F09 fuses. For up to 75 MCM feeder, 40 MCM load cables connecting to compression type lugs per 9-S-73246 and 73055, respectively. Brass enclosure size 12 x 24 x 3 per MIL-E-24142/6. Symbol 562.1 per MIL-DTL-24646/10. Military P/N M24646/10-003. Weight 28 lbs.

(SYM 562.1)

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### Symbol 563.1

Fuse panel, 2 circuit, no switches, 3 phase feed and 3 phase loads. Submersible (SBM-15), 250 volts AC, 0-30 amp Type F09 fuses. For up to 200 MCM feeder, 40 MCM load cables connecting to compression type lugs per 9-S-73246 and 73055, respectively. Brass enclosure size 12 x 13 x 3 per MIL-E-24142/6. Symbol 563.1 per MIL-DTL-24646/10. Military P/N M24646/10-004. NSN 5920-00-296-4775. Weight 29.2 lbs.

(SYM 563.1)



### Symbol 601

Fuse Panel, Navy Symbol 601, totally enclosed, 125 volts, single phase, 8 circuit, no switches. Designed for maximum feeder of 75 MCM, maximum branch cable size 14 MCM. Enclosure is normally steel, may be non-magnetic aluminum on special order. Accepts midget fuses rated 0 - 30 amps, Type F09 per MIL-PRF-15160/9 for 125 volt applications. Manufactured in accordance with MIL-DTL-24646 and MIL-DTL-24646/1. NSN 5920-00-178-1606.

(SYM601)



### Symbol 600

Fuse Panel, Navy Symbol 600, totally enclosed, 125 volts, single phase, 4 circuit, no switches. Designed for maximum feeder of 75 MCM, maximum branch cable size 14 MCM. Enclosure is normally steel, may be non-magnetic aluminum on special order. Also can be modified for 480 volt applications. Accepts midget fuses rated 0 - 30 amps, Type F09 per MIL-PRF-15160/9 for 125 volt applications and Type F60 per MIL-PRF-15160/60 for 480 volt applications. Manufactured in accordance with MIL-DTL-24646 and MIL-DTL-24646/1. NSN 5920-01-103-0577.

[Click here for the Drawing for 404-600](#)

(SYM600)



### Symbol 603

Fuse panel, 8 circuit, with switches. single phase feed, single phase loads, 125 Volts. Fuse capacity is up to 30 amps but the branch circuits are limited to 10 amps by the rating of the DPST switches (Type 1SR2A4) that are used to control the branch circuits. Uses Type F09 fuses. Feeder cable size 14 MCM maximum. Branch cable size rated at 4 MCM by the military specification. Connection to the branch circuits is at the switch terminals which have #5-40 screws. Ring type lugs are recommended. Steel enclosure. Also available in aluminum if non-magnetic panel is required or if weight is an issue. Symbol 603 per MIL-DTL-24646/6. Military PN M24646/6-002. NSN 6110-00-152-0268. Similar to Symbol 605 which has a split feeder bus and Symbol 616 which has a 3 phase bus.

[Click here for the Drawing for 404-603](#)

(SYM603)

□

### Symbol 605

Fuse panel, 8 circuit, with switches. single phase split feed, single phase loads, 125 Volts. Fuse capacity is up to 30 amps but the branch circuits are limited to 10 amps by the rating of the DPST switches (Type 1SR2A4) that are used to control the branch circuits. Uses Type F09 fuses. Feeder cable size 14 MCM maximum. Four circuits are fed from the top, four are fed from the bottom. Branch cable size rated at 4 MCM by the military specification. Connection to the branch circuits is at the switch terminals which have #5-40 screws. Ring type lugs are recommended. Steel enclosure. Also available in aluminum if non-magnetic panel is required or if weight is an issue. Symbol 605 per MIL-DTL-24646/6. Military PN M24646/6-004. NSN 6110-00-152-0267. Similar to Symbol 603 which has a single feeder bus and the Symbol 616 which has 3 phase single feeder bus.

(SYM605)



### Symbol 612.1

Fuse Panel, Navy Symbol 612.1, totally enclosed, 125 volts, three phase line, single phase loads, 4 circuit, no switches. Designed for maximum feeder of 75 MCM, maximum branch cable size 14 MCM. Enclosure is non-magnetic aluminum. Can be made in steel, if desired. Specify Symbol 612. Also can be modified for 480 volt applications. Accepts midget fuses rated 0 - 30 amps, Type F09 per MIL-PRF-15160/9 for 125 volt applications and Type F60 per MIL-PRF-15160/60 for 480 volt applications. Part number M24646/1-003 per MIL-DTL-24646A and MIL-DTL-24646/1A. NSN 5920-00-642-9908

[Click here for the Drawing for the 404-612.1](#)

(SYM612.1)



### Symbol 613

Fuse Panel, Navy Symbol 613, totally enclosed, 125 volts, three phase line, single phase loads, 8 circuit, no sw itches. Designed for maximum feeder of 75 MCM, maximum branch cable size 14 MCM. Enclosure is steel. Can be made in aluminum, if desired. Specify Symbol 613.1. Also can be modified for 480 volt applications.

Accepts midget fuses rated 0 - 30 amps, Type F09 per MIL-PRF-15160/9 for 125 volt applications and Type F60 per MIL-PRF-15160/60 for 480 volt applications.

Part number M24646/1-004 per MIL-DTL-24646A and MIL-DTL-24646/1A.

NSN: none assigned

(SYM613)



### Symbol 613.1

Fuse Panel, Navy Symbol 613.1, totally enclosed, 125 volts, three phase line, single phase loads, 8 circuit, no sw itches. Designed for maximum feeder of 75 MCM, maximum branch cable size 14 MCM. Enclosure is non-magnetic aluminum. Can be made in steel, if desired. Specify Symbol 613. Also can be modified for 480 volt applications.

Accepts midget fuses rated 0 - 30 amps, Type F09 per MIL-PRF-15160/9 for 125 volt applications and Type F60 per MIL-PRF-15160/60 for 480 volt applications.

Part number M24646/1-005 per MIL-DTL-24646A and MIL-DTL-24646/1A.

NSN 5920-00-845-1475

(SYM613.1)



### Symbol 614

Fuse panel, steel, Totally Enclosed, 12 circuit, 125 volts, 3 phase feed, single phase load, max feeder size 75 MCM, max branch cable size 14 MCM. Uses Type F09 fuses. Symbol 614 per MIL-DTL-24646/1. Military Part Number M24646/1-006. NSN 5920-00-178-1619.

[Click here for the Drawing for 404-614](#)

(SYM614)



### Symbol 615

Fuse panel, 4 circuit, w ith sw itches. 3 phase feed, single phase loads, 125 Volts. Fuse capacity is up to 30 amps but the branch circuits are limited to 10 amps by the rating of the DPST sw itches (Type 1SR2A4) that are used to control the branch circuits. Uses Type F09 fuses. Feeder cable size 14 MCM maximum. Branch cable size rated at 4 MCM by the military specification. Connection to the branch circuits is at the sw itch terminals w hich have #5-40 screw s. Ring type lugs are recommended. Steel enclosure. Also available in aluminum if non-magnetic panel is required or if weight is an issue. Symbol 615 per MIL-DTL-24646/6. Military PN M24646/6-006. NSN 6110-00-778-8964. Similar to Symbol 602 w hich has single phase feed and Symbol 604 w hich has a split single phase feeder.

[Click here for the Drawing for 404-615](#)

(SYM615)





### Symbol 616

Fuse panel, 8 circuit, with switches. 3 phase feed, single phase loads, 125 Volts. Fuse capacity is up to 30 amps but the branch circuits are limited to 10 amps by the rating of the DPST switches (Type 1SR2A4) that are used to control the branch circuits. Uses Type F09 fuses. Feeder cable size 14 MCM maximum. Branch cable size rated at 4 MCM by the military specification. Connection to the branch circuits is at the switch terminals which have #5-40 screws. Ring type lugs are recommended. Steel enclosure. Also available in aluminum if non-magnetic panel is required or if weight is an issue. Symbol 616 per MIL-DTL-24646/6. Military PN M24646/6-007. NSN 6110-00-152-0286. Similar to Symbol 603 which has single phase feed and Symbol 605 which has a split single phase feeder.

[Click here for the Drawing for 404-616](#)

(Symbol 616)

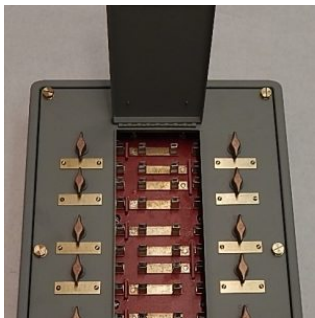


### Symbol 617

Fuse panel, 12 circuit, with switches. 3 phase feed, single phase loads, 125 Volts. Fuse capacity is up to 30 amps but the branch circuits are limited to 10 amps by the rating of the DPST switches (Type 1SR2A4) that are used to control the branch circuits. Uses Type F09 fuses. Feeder cable size 14 MCM maximum. Branch cable size rated at 4 MCM by the military specification. Connection to the branch circuits is at the switch terminals which have #5-40 screws. Ring type lugs are recommended. Steel enclosure. Also available in aluminum if non-magnetic panel is required or if weight is an issue. Symbol 617 per MIL-DTL-24646/6. Military PN M24646/6-008. NSN 6110-00-152-0285.

[Click here for the Drawing for 404-617](#)

(SYM617)



### Symbol 618

Fuse panel, 12 circuit, with switches. 1 phase feed, single phase loads, 125 Volts. Fuse capacity is up to 30 amps but the branch circuits are limited to 10 amps by the rating of the DPST switches (Type 1SR2A4) that are used to control the branch circuits. Uses Type F09 fuses. Feeder cable size 14 MCM maximum. Branch cable size rated at 4 MCM by the military specification. Connection to the branch circuits is at the switch terminals which have #5-40 screws. Ring type lugs are recommended. Steel enclosure. Also available in aluminum if non-magnetic panel is required or if weight is an issue. Symbol 618 per MIL-DTL-24646/6. Military PN M24646/6-009. NSN 6110-01-499-3412 is assigned to the non-magnetic aluminum panel. No NSN is assigned to the steel panel.

[Click here for the Drawing for the 404-618](#)

(SYM618)



### Symbol 645

Fuse panel, 4 circuit, with switches, Watertight, single phase feed, single phase loads, 125 Volts. Fuse capacity is up to 30 amps but the branch circuits are limited to 10 amps by the rating of the DPST switches (Type 1SR2A4) that are used to control the branch circuits. Uses Type F09 fuses. Feeder cable size 14 MCM maximum. Branch cable size rated at 4 MCM by the military specification. Connection to the branch circuits is at the switch terminals which have #5-40 screws. Ring type lugs are recommended. Brass enclosure, size 10x13x3 per MIL-E-24142/6 with fuse door for access to fuses. Symbol 645 per MIL-DTL-24646/11. Military PN M24646/11-001. NSN 6110-00-152-0247. Similar to Symbol 645.1 which has a split feeder bus and Symbol 649.1 which has a 3 phase feeder bus.

(SYM645)



### Symbol 645.1

Fuse panel, 4 circuit, with switches, Watertight, single phase split feeder, single phase loads, 125 Volts. Fuse capacity is up to 30 amps but the branch circuits are limited to 10 amps by the rating of the DPST switches (Type 1SR2A4) that are used to control the branch circuits. Uses Type F09 fuses. Feeder cable size 14 MCM maximum. Branch cable size rated at 4 MCM by the military specification. Connection to the branch circuits is at the switch terminals which have #5-40 screws. Ring type lugs are recommended. Brass enclosure, size 10x13x3 per MIL-E-24142/6 with fuse door for access to fuses. Symbol 645.1 per MIL-DTL-24646/11. Military PN M24646/11-002.

(SYM645.1)



### Symbol 649.1

Fuse panel, 4 circuit, with switches, Watertight, 3 phase feed, single phase loads, 125 Volts. Fuse capacity is up to 30 amps but the branch circuits are limited to 10 amps by the rating of the DPST switches (Type 1SR2A4) that are used to control the branch circuits. Uses Type F09 fuses. Feeder cable size 14 MCM maximum. Branch cable size rated at 4 MCM by the military specification. Connection to the branch circuits is at the switch terminals which have #5-40 screws. Ring type lugs are recommended. Brass enclosure, size 10x13x3 per MIL-E-24142/6 with fuse door for access to fuses. Symbol 649.1 per MIL-DTL-24646/11. Military PN M24646/11-003. NSN 6110-00-174-1653. Similar to Symbol 645 which has a single phase feeder bus and the Symbol 645.1 which has a single phase split feeder bus.

(SYM649.1)



### Symbol 650.1

Fuse panel, 8 circuit, with switches, Watertight, 3 phase feed, single phase loads, 125 Volts. Fuse capacity is up to 30 amps but the branch circuits are limited to 10 amps by the rating of the DPST switches (Type 1SR2A4) that are used to control the branch circuits. Uses Type F09 fuses. Feeder cable size 14 MCM maximum. Branch cable size rated at 4 MCM by the military specification. Connection to the branch circuits is at the switch terminals which have #5-40 screws. Ring type lugs are recommended. Brass enclosure, size 12x13x3 per MIL-E-24142/6 with fuse door for access to fuses. Symbol 650.1 per MIL-DTL-24646/11. Military PN M24646/11-004. NSN 6110-00-174-1657.

(SYM650.1)



### Symbol 671.1

Fuse box, single circuit, 2 poles, 125 Volts, for 0-30 Amp midget fuses, Submersible to 15 feet. Consists of a 5" round enclosure per MIL-E-24142/5 fitted with an insulator having 2 sets of fuse clips that accommodate Type F09 fuses. Wire connections made to #8-32 screw terminals. Military Part Number M24646/18-001 per MIL-DTL-24646/18. NSN 5920-00-355-4729.

[Click here for the drawing for 404-671.1](#)

(SYM671.1)



### Symbol 685.1

Fuse box, feeder junction, submersible to 15 feet, non-magnetic, 250 VAC, single phase, 0 - 30 amp fuses. Provides for feed-thru of up to 75 MCM cable and single phase branch circuit of up to 14 MCM cable. Consists of bus bars secured to an insulator within a 6x9x4-1/2" deep brass enclosure. Compression type terminals are brazed to the bus bars to accept the cables. Type FC21CF fuse clips separate the main buses from the branch buses and accommodate type F09 fuses. Symbol 685.1, Military Part Number M24646/15-001 per MIL-DTL-24646/15A and MIL-DTL-24646A. NSN 5920-00-284-7122. Similar to Symbol 686.1 except the branch circuit is sized for up to 40 MCM cable and it accommodates fuses rated 31 - 60 amps.

[Click here for the Drawing for 404-685.1](#)

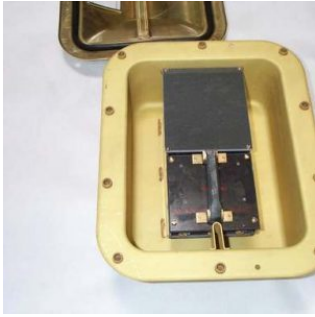
(SYM685.1)



### Symbol 686.1

Fuse box, feeder junction, submersible to 15 feet, non-magnetic, 250 VAC, single phase, 31 - 60 amp fuses. Provides for feed-thru of up to 75 MCM cable and single phase branch circuit of up to 40 MCM cable. Consists of bus bars secured to an insulator within a 6x9x4-1/2" deep brass enclosure. Compression type terminals are brazed to the bus bars to accept the cables. Type FC21EF fuse clips separate the main buses from the branch buses and accommodate type F62 fuses. Symbol 686.1, Military Part Number M24646/15-002 per MIL-DTL-24646/15A and MIL-DTL-24646A. NSN 5920-00-178-1669. Similar to Symbol 685.1 except the branch circuit is sized for up to 14 MCM cable and it accommodates fuses rated 0-30 amps. Photo is of Symbol 685.1.

(SYM686.1)



### Symbol 693.1

Fuse box, feeder junction, 500 Volts AC, 3 phase, 30 amp max fuses, single circuit. Submersible to 15 feet. Designed for connection of (2) 3 phase cables up to 75MCM with a fused 3 phase tap for cable size up to 14MCM. Terminals and "fuse puller" assembly mounted in a 10x13x5" deep brass enclosure. Part number M24646/17-001 per MIL-DTL-24646/17. Uses Type F61 fuses per MIL-PRF-15160/61. NSN 5920-00-355-4732. Formerly covered by NavShips drawing 9-S-74191.

[Click here for the Drawing for 404-693.1](#)

(SYM 693.1)

37 total products.