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## LAN Equipment



**8482343-2**

SUBLAN fiber optic drop station assembly, per NAVSEA drawing 8482343 REV "A" DATED 20JAN2013, ASSY 2

1 total products.

## Barrel Nut Screwdrivers



### 404261-001

This barrel nut screw driver is designed to accommodate barrel nuts with a size 6 or 8 thread. The shaft length is approximately 8-3/4", making the overall length approximately 12-3/4". The Comsaco part number is 404261-001.

(404261-001)



### 404261-002

This barrel nut screw driver is designed to accommodate nut sizes 6 and 8. The shaft length is approximately 4", making the overall length approximately 9". The Comsaco part number is 404261-002 and is shown at the top of the accompanying photo.

(404261-002)



### 404261-003

This barrel nut screw driver is designed to accommodate nut sizes 6 and 8. The shaft length is approximately 1.3", making the overall length approximately 5". The Comsaco part number is 404261-003.

(404261-003)



### 404261-004

This barrel nut screw driver is designed to accommodate nut size 4. The shaft length is approximately 1.37", making the overall length approximately 4-5/8". The Comsaco part number is 404261-004.

(404261-004)



## 404261-005

This barrel nut screwdriver is designed to accommodate nut sizes 6 through 10 and has a wider blade. The shaft length is approximately 8", making the overall length approximately 13". The blade is 3/8" wide to better accommodate the barrel nut used with the Type 13TB4 terminal board used in the Symbol 400.1 and Symbol 400.2 terminal boxes. The thickness of the blade may not allow it to fully seat in the barrel nuts for the 13TB4 because the slot-width is too narrow due to what we believe is an error with the controlling specifications. You may have to grind the blades to fit them. The Comsaco part number is 404261-005.

(404261-005)

5 total products.

## Communication, Alarms, Indicator



### Symbol 2815.1

Indicator light assembly, watertight, single, 120 VAC. base mounted. Internal transformer/lampholder assembly converts the incoming 120 volt signal to a safe 2 volts (nominal) and provides for 2 incandescent lamps to indicate the presence of the signal. Failure of one lamp does not affect the other and gives the operator redundancy and time to replace the lamps if one burns out. Lenses with various colors can be installed in the cover-mounted lens holder to provide the desired color indication. A lens must be installed to achieve watertight integrity. A blank brass marker-disc is provided to be stencil-engraved by the installing activity to indicate a desired legend. Two lamps are supplied with each assembly. Lenses and engraved marker discs can be provided on special order. This assembly is in accordance with the NavShips Drawing 9000-S6202-73919. The NSN is 6210-00-336-5867. Lenses are in accordance with MS17153, specify color when ordering. Lamps are per MS15612-3, Industry #1769. Similar to Symbol 2815.2 which is rated at 450 VAC. If flush mounting is desired, see Symbol 2815.3 (120V) or Symbol 2815.4 (450V).

[Click here for the Drawing for 404-2815.1](#)

(SYM 2815.1)



### Symbol 2815.2

Indicator light assembly, watertight, single, 450 VAC. base mounted. Internal transformer/lampholder assembly converts the incoming 450 volt signal to a safe 2 volts (nominal) and provides for 2 incandescent lamps to indicate the presence of the signal. Failure of one lamp does not affect the other and gives the operator redundancy and time to replace the lamps if one burns out. Lenses with various colors can be installed in the cover-mounted lens holder to provide the desired color indication. A lens must be installed to achieve watertight integrity. A blank brass marker-disc is provided to be stencil-engraved by the installing activity to indicate a desired legend. Two lamps are supplied with each assembly. Lenses and engraved marker discs can be provided on special order. This assembly is in accordance with the NavShips Drawing 9000-S6202-73919. The NSN is 6210-00-336-5868. Lenses are in accordance with MS17153, specify color when ordering. Lamps are per MS15612-3, Industry #1769. Similar to Symbol 2815.1 which is rated at 120 VAC. If flush mounting is desired, see Symbol 2815.3 (120V) or Symbol 2815.4 (450V).

[Click here for the Drawing for 404-2815.2](#)

(SYM 2815.2)



### Symbol 2816.1

Indicator light assembly, watertight, double, 120 VAC. base mounted. Internal transformer/lampholder assemblies convert the incoming 120 volt signals to a safe 2 volts (nominal) and provides for 2 incandescent lamps per signal to indicate the presence of the signal. Failure of one lamp does not affect the other and gives the operator redundancy and time to replace the lamps if one burns out. Lenses with various colors can be installed in the cover-mounted lens holders to provide the desired color indication. A lens must be installed to achieve watertight integrity. Blank brass marker-discs are provided to be stencil-engraved by the installing activity to indicate a desired legend. Four lamps are supplied with each assembly. Lenses and engraved marker discs can be provided on special order. This assembly is in accordance with the NavShips Drawing 9000-S6202-73920. The NSN is 6210-00-336-5869. Lenses are in accordance with MS17153, specify color when ordering. Lamps are per MS15612-3, Industry #1769. Similar to Symbol 2816.2 which is rated at 450 VAC. If flush mounting is desired, see Symbol 2816.3 (120V) or Symbol 2816.4 (450V).

[Click for the Drawing for 404-2816.1](#)

(SYM 2816.1)



### Symbol 2816.2

Indicator light assembly, watertight, double, 450 VAC. base mounted. Internal transformer/lampholder assemblies convert the incoming 450 volt signals to a safe 2 volts (nominal) and provides for 2 incandescent lamps per signal to indicate the presence of the signal. Failure of one lamp does not affect the other and gives the operator redundancy and time to replace the lamps if one burns out. Lenses with various colors can be installed in the cover-mounted lens holders to provide the desired color indication. A lens must be installed to achieve watertight integrity. Blank brass marker-discs are provided to be stencil-engraved by the installing activity to indicate a desired legend. Four lamps are supplied with each assembly. Lenses and engraved marker discs can be provided on special order. This assembly is in accordance with the NavShips Drawing 9000-S6202-73920. The NSN is 6210-00-336-5870. Lenses are in accordance with MS17153, specify color when ordering. Lamps are per MS15612-3, Industry #1769. Similar to Symbol 2816.1 which is rated at 120 VAC. If flush mounting is desired, see Symbol 2816.3 (120V) or Symbol 2816.4 (450V).

[Click here for the Drawing for 404-2816.2](#)

(SYM 2816.2)



## Symbol 2818.1

Indicator light assembly, watertight, quadruple, 120 VAC. base mounted. Internal transformer/lampholder assemblies convert the incoming 120 volt signals to a safe 2 volts (nominal) and provides for 2 incandescent lamps per signal to indicate the presence of the signal. Failure of one lamp does not affect the other and gives the operator redundancy and time to replace the lamps if one burns out. Lenses with various colors can be installed in the cover-mounted lens holders to provide the desired color indication. A lens must be installed to achieve watertight integrity. Blank brass marker-discs are provided to be stencil-engraved by the installing activity to indicate a desired legend. Eight lamps are supplied with each assembly. Lenses and engraved marker discs can be provided on special order. This assembly is in accordance with the NavShips Drawing 9000-S6202-73921, Type B-45A. The NSN is 6210-00-336-5871. Lenses are in accordance with MS17153, specify color when ordering. Lamps are per MS15612-3, Industry #1769. Similar to Symbol 2818.2 which is rated at 450 VAC. If flush mounting is desired, see Symbol 2818.3 (120V) or Symbol 2818.4 (450V).

(SYM 2818.1)



## Symbol 2818.2

Indicator light assembly, watertight, quadruple, 450 VAC. base mounted. Internal transformer/lampholder assemblies convert the incoming 450 volt signals to a safe 2 volts (nominal) and provides for 2 incandescent lamps per signal to indicate the presence of the signal. Failure of one lamp does not affect the other and gives the operator redundancy and time to replace the lamps if one burns out. Lenses with various colors can be installed in the cover-mounted lens holders to provide the desired color indication. A lens must be installed to achieve watertight integrity. Blank brass marker-discs are provided to be stencil-engraved by the installing activity to indicate a desired legend. Eight lamps are supplied with each assembly. Lenses and engraved marker discs can be provided on special order. This assembly is in accordance with the NavShips Drawing 9000-S6202-73921, Type B-45B. The NSN is 6210-00-336-5872. Lenses are in accordance with MS17153, specify color when ordering. Lamps are per MS15612-3, Industry #1769. Similar to Symbol 2818.1 which is rated at 120 VAC. If flush mounting is desired, see Symbol 2818.3 (120V) or Symbol 2818.4 (450V).

(SYM 2818.2)



## Symbol 2819.1

Indicator light assembly, watertight, 6 dial, 120 VAC. base mounted. Internal transformer/lampholder assemblies convert the incoming 120 volt signals to a safe 2 volts (nominal) and provides for 2 incandescent lamps per signal to indicate the presence of the signal. Failure of one lamp does not affect the other and gives the operator redundancy and time to replace the lamps if one burns out. Lenses with various colors can be installed in the cover-mounted lens holders to provide the desired color indication. A lens must be installed to achieve watertight integrity. Blank brass marker-discs are provided to be stencil-engraved by the installing activity to indicate a desired legend. Twelve lamps are supplied with each assembly. Lenses and engraved marker discs can be provided on special order. This assembly is in accordance with the NavShips Drawing 9000-S6202-73922, Type B-47A. The NSN is 6210-00-336-5873. Lenses are in accordance with MS17153, specify color when ordering. Lamps are per MS15612-3, Industry #1769. Similar to Symbol 2819.2 which is rated at 450 VAC. If flush mounting is desired, see Symbol 2819.3 (120V) or Symbol 2819.4 (450V).

(SYM 2819.1)



## Symbol 2819.2

Indicator light assembly, watertight, double, 450 VAC. base mounted. Internal transformer/lampholder assemblies convert the incoming 450 volt signals to a safe 2 volts (nominal) and provides for 2 incandescent lamps per signal to indicate the presence of the signal. Failure of one lamp does not affect the other and gives the operator redundancy and time to replace the lamps if one burns out. Lenses with various colors can be installed in the cover-mounted lens holders to provide the desired color indication. A lens must be installed to achieve watertight integrity. Blank brass marker-discs are provided to be stencil-engraved by the installing activity to indicate a desired legend. Twelve lamps are supplied with each assembly. Lenses and engraved marker discs can be provided on special order. This assembly is in accordance with the NavShips Drawing 9000-S6202-73922, Type B-47B. The NSN is 6210-00-336-5874. Lenses are in accordance with MS17153, specify color when ordering. Lamps are per MS15612-3, Industry #1769. Similar to Symbol 2819.1 which is rated at 120 VAC. If flush mounting is desired, see Symbol 2819.3 (120V) or Symbol 2819.4 (450V).

(SYM 2819.2)



## Symbol 2924.1

Stowage box, single compartment, for sound-powered telephone headsets. Aluminum, totally enclosed, with hasp for locking. Per NavShips Drawing 815-1853040. NSN 5965-00-223-6353. Also available in 2, 3 or 4 compartment style, Symbols 2925.1, 2926.1 and 2927.1 respectively.

[Click here for the Drawing for 404-2924.1](#)

(SYM 2924.1)





## Symbol 2924.1 Brass

Need something special? The US Coast Guard Bark "Eagle" did. The Symbol 2924.1 sound-powered telephone storage box keeps a headset/chest-set properly stowed. Normally, this is a painted aluminum enclosure without much in the way of eye-appeal. When the "Eagle" indicated a preference for brass, we couldn't resist. The result is an item that is completely interchangeable with the standard Symbol 2924.1 except it will hold a shine much better and will be an enhancement to wherever it is installed. Let us know when you want something different. We have the skills and the desire to provide products that suit your requirements.

[Click here for the Drawing for 404-2924.1](#)

(SYM 2924.1 B)



## Symbol 2637.1

Contact maker, 6 poles, 2 positions, spring-return to "OFF", 125 VAC, 10 Amps, Submersible (15 feet). Type JRM-300 switch mounted in a 4" round brass enclosure. Lever actuated handle has no locking plate. The nameplate can be engraved or stamped with the switch function or can be left blank for marking by the installing activity. Per MIL-DTL-15743/16. NSN 5930-01-265-8011.

(SYM 2637.1)



## Symbol 2638.1

Contact maker, for alarm or control functions. Per MIL-DTL-15743/17. Provided with blank nameplate for marking by the installing activity or with stamped or engraved markings as required. Some contact makers require painting per MIL-DTL-15743/17 and special handle shapes for identifying the function under adverse conditions. Six poles, 2 positions, spring-return to the "OFF" position. Locking plates are provided to prevent inadvertent activation or to lock the handle in the "ON" position when required. Switch rating 125 volts, 10 Amps. The NSN for the switch with the blank nameplate is 5930-01-247-3347 which is the only type stocked by the Navy supply system.

[Click here for the Drawing for 404-2638.1](#)

(SYM 2638.1-2)



## Symbol 2841

Jackbox, Sound-Powered Telephone. Single, submersible to 15 feet with protective cap or mating plug installed. Provides for connection of sound-powered telephone handsets or headsets. A blank plastic engraving strip, white with black core, is provided for the installing activity to mark circuit designations. Connection is made to a Type 9TB2 terminal board mounted in the bottom of the box by use of type L81 terminal lugs. Per NavShips drawing 9000-803-74210 Rev J. Mates with Symbol 2922 plug per 9-S-74211. The NSN for Symbol 2841 is 5935-00-552-6791.

[Click here for the Drawing for 404-2841](#)

(SYM 2841)



## Symbol 2842

Jackbox, Sound-Powered Telephone. Double, submersible to 15 feet with protective cap or mating plug installed. Provides for connection of sound-powered telephone handsets or headsets. A blank plastic engraving strip, white with black core, is provided for the installing activity to mark circuit designations. Connection is made to a Type 9TB4 terminal board mounted in the bottom of the box by use of type L81 terminal lugs. Per NavShips drawing 9000-803-74210 Rev J. Mates with Symbol 2922 plug per 9-S-74211. The NSN for Symbol 2842 is 5935-00-552-6790.

[Click here for the Drawing for 404-2842](#)

(SYM 2842)



## Symbol 2843

Jackbox, Sound-Powered Telephone. Quadruple, submersible to 15 feet with protective cap or mating plug installed. Provides for connection of sound-powered telephone handsets or headsets. Blank plastic engraving strips, white with black core, are provided for the installing activity to mark circuit designations. Connection is made to Type 9TB4 terminal boards mounted in the bottom of the box by use of type L81 terminal lugs. Per NavShips drawing 9000-803-74210 Rev J. Mates with Symbol 2922 plug per 9-S-74211. The NSN for Symbol 2843 is 5935-00-355-4739.

[Click here for the Drawing for 404-2843](#)

(SYM 2843)



## LC40 Style Lenses

The Type LC40 lenses per MIL-L-3661/54 are used in conjunction with Type LH indicator light assemblies per MIL-L-3661/61 through /65. The lenses are molded of heat resistant nylon and are available in various colors. Part numbers, colors and NSNs are as follows: LC40CN3, Clear, Transparent, 6210-00-752-2146; LC40WT3, White, Translucent, 6210-00-752-2148; LC40EN3, Red, Transparent, 6210-00-752-2140; LC40YN3, Yellow, Transparent, 6210-00-752-2141; LC40GN3, Green, Transparent, 6210-00-313-9218; LC40BN3, Blue, Transparent, 6210-00-752-2143; LC40TN3, Clear, Unfrosted, 6210-00-143-6556.

(LC40)

16 total products.

## Connection Devices



### 404441-101

Cable TV connection enclosure. Consists of a 4 X 7 X 3.5" enclosure with a MARINCO P/N PH6597TV. Phone/Cable TV outlet installed in cover with silicone rubber gasket. If desired, cable entrance hole in bottom per customer direction. Enclosure can be painted or powder coated per customer direction.



### Symbol 730.1

Receptacle assembly, duplex, 15 amp, 125 volts, 60 Hz, totally enclosed, 2 pole with ground. Consists of a duplex receptacle with parallel bladed contacts plus ground contact, mounted in a 2x4x2-1/8" deep galvanized or zinc-plated drawn steel box having 7/8" diameter knockouts, 3 each side, 1 each end, 2 or 3 on the bottom. The receptacle color is brown and it has nickel-plated ground contacts and mounting strap for corrosion resistance. The galvanized or zinc-plated cover is stamped with the voltage, amperage and frequency rating and filled with red enamel. NSNs 5935-01-012-3080 and 5935-01-267-1055 have been assigned to this item. Covered under various specs and standards such as MIL-R-2726/66, 9-S-73980, 803-5184170 and others. This unit is designed for surface mounting through holes in the bottom of the box. May also be furnished with 3/8-16 female threaded studs for single stud mounting or with tabs for flush mounting. It is also available in aluminum or brass for non-magnetic applications.

[Click here for the Drawing for 404-730.1](#)

(SYM 730.1-ST)



### Symbol 758.2

Connector receptacle, panel mounting, 40 amp, 450 VAC, 3 phase with ground, watertight when the protective cap or mating plug is installed. Symbol 758.2 per MIL-R-2726/9. Military P/N M2726/9-002. NSN 5935-01-346-3019. Use protective cap, Symbol 1142.1, to keep out moisture, dirt and for safety considerations. Mates with plug, Symbol 717.1 per MIL-R-2726/3. Electrical connections made to solder cup terminals sized for #10 wire.

[Click here for the Drawing for 404-758.2](#)

(SYM 758.2)



### Symbol 915.1

Connector receptacle, with switch, 30 amp, 450 VAC, 3 Phase with ground, watertight. Consists of a 4 pole (3 phase plus ground) receptacle mounted in the cover of a 4x7 (nominal) brass enclosure. Power to the receptacle is controlled by a 30 amp 450 VAC switch which is interlocked with the protective cap or the mating plug to prevent engaging or disengaging the plug or installing or removing the cap while the switch is in the "ON" position. This device is watertight to a depth of 3 feet with the cap or mating plug installed. Normally used to provide power to portable welding machines or submersible pumps. Per MIL-R-2726/19, Military P/N M2726/19-001. NSN 5999-00-879-1519. Mates with Symbol 717.1 plug per MIL-R-2726/3. Electrical connections are made directly to the terminals on the switch which have #10 screws. The ground connection to the box is a #8 screw. The receptacle assembly is a Symbol 758.2 and the cap assembly is a Symbol 1142.1.

[Click here for the Drawing for 404-915.1](#)

(SYM 915.1)



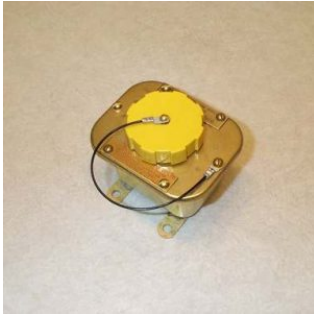
### Symbol 919

Receptacle Assy, with switch, 15 Ampere, 125 Volts, bladed type, with ground, watertight. The double pole, single-throw switch provides on-off switching for the receptacle. Wiring connections are made to a Type 9TB2 terminal board using Type L-81 terminal lugs plus a ground connection to a ground pad with #8-32 thread. The assembly is watertight when the cap is installed or when used with the Symbol 1218.3 mating plug. Conventional, non-watertight plugs may also be used when watertight integrity is not required. Part number M2726/39-001 per MIL-R-2726/39. NSN 5999-01-070-8414.

[Click here for the Drawing for 404-919](#)

(SYM 919)





## Symbol 1099.1

Receptacle assembly, 15 amp, 125 Volts, 60 Hz, bladed type, grounded, watertight, non-magnetic. Single receptacle mounted in a 2-1/8 x 3" brass enclosure per MIL-E-24142/9. A threaded bushing is brazed to the cover to secure the protective cap or the securing ring of the Symbol 1218.3 mating plug.

[Click here for the Drawing for 404-1099.1](#)

(SYM 1099.1)



## Symbol 1142.1

Cap assembly, receptacle, nylon. Provides protection against moisture and dirt and for safety considerations. When installed in a properly gasketed receptacle, this cap provides watertight integrity. Mates with receptacle assemblies per MIL-R-2726/12, /14 through 21 and MIL-R-2726/49. Symbol 1142.1 per MIL-R-2726/13, Military P/N M2726/13-001. NSN 5935-00-064-2050.

[Click here for the Drawing for 404-1142.1](#)

(SYM 1142.1)



## Symbol 1147.2

Receptacle, Electrical, enclosed, 40 Amp, 450 VAC, 3 Phase, Grounded, without switch. Consists of a Symbol 758.2 receptacle installed in the cover of a brass enclosure (M24142/5-002) to provide watertight integrity (Submersible to 15 feet) when the cap, Symbol 1142.1 per MIL-R-2726/13, or mating plug are installed. Connection of up to AWG 10 wire is made directly to the removable pins of the receptacle by soldering. Per MIL-R-2726/16 and MIL-R-2726. NSN 5935-00-892-8971 is assigned to the Symbol 1147.1 which uses a metal-shell receptacle but may apply to this item which uses the plastic shell receptacle. They are interchangeable. Mates with Symbol 717.1 per MIL-R-2726/3.

[Click here for the Drawing for 404-1147.2](#)

(SYM 1147.2)



## Symbol 1218.3

Plug, 15 amp, 125 volt, bladed type, grounded, watertight. Provides a watertight connection when properly installed in mating receptacle assemblies, Symbol 919 or Symbol 1099.1, or in the portable receptacle, Symbol 1215. Also mates with nonwatertight receptacles when watertight integrity is not required. Provided with packing assemblies to provide a watertight seal around the cable being used. Symbol 1218.3 is per MIL-R-2726/38, Military P/N M2726/38-001, NSN 5935-00-220-2213.

(SYM 1218.3)



## 404128

Receptacle assembly, duplex, watertight, 125 Volts, 15 Amp, non-magnetic. Developed for the DDG51 Class, this watertight duplex receptacle assembly consists of 2 single receptacles mounted to the back side of a 4x7 brass cover. Access to the receptacles is through brass bushings brazed to the cover and sealed with caps to provide watertight integrity when the receptacles are not in use. Enclosure is per MIL-E-24142/4. Mates with Symbol 1218.3 plug which will provide watertight integrity when installed, or conventional bladed plugs when watertight integrity is not required. NSN not assigned. Comsaco drawing and part number 404128.

[Click here for the Drawing for 404128](#)

(404128)



### Coaxial Cable Conn Box

This connection box provides a watertight assembly for connection of Type RG coaxial cables. It was designed for use as a topside connection box for shore-based coaxial cable feed to the ship. Watertight integrity is maintained by the caps when not in use. Two connector adapters are mounted to the cover of a 3 x 5 brass enclosure per MIL-E-24142/2. No NSN assigned. Please order by Part Number 404225-101 and description.

(404225-101)



### Power Receptacle

Power receptacle assembly, 450 Volts, 100 Amps, 3 phase with ground, watertight. Consists of a Symbol 1326 receptacle mounted to a modified cover on a 6x9 brass enclosure. Electrical connections are made directly to the connector.

(187430-4)

12 total products.

## Dimmer Panels



### 404234-102

Dimmer assembly, brass, watertight, 20 amp output, 0-120 VAC 60 Hz input, 0 - 140 VAC 60 Hz output. This Type W-20 autotransformer is mounted within an 8 x 10 x 5 brass enclosure per MIL-E-24142/6. The large plastic knob controls the output voltage in conjunction with the circular dial plate mounted on the cover. To minimize the corrosion effects commonly experienced by other designs, we connect the operating knob to the shaft of the autotransformer by a coupler with a shaft seal to maintain the watertight integrity and which permits the easy removal of the cover under any conditions for servicing or repair. Connections are made directly to the terminals on the autotransformer which are located on one end of the unit. The autotransformer is positioned as far to the opposite end of the enclosure as possible to provide the maximum area for cable entry, connection, and servicing. NSN 5905-01-605-1569 is assigned to this item. Please order by part number 404234-102 and description. This item is Grade A HI shock per MIL-S-901D and vibration qualified per MIL-STD-167.

[Click here for the Drawing for 404234-102](#)

(404234-102)



### Dual 10 Amp, Switched

Panel, Dimmer, 120 VAC, 10 Amp, 60 Hz, Dripproof, Non-magnetic enclosure. This stainless steel enclosure measures 13 x 13 x 8" deep and contains two (2) 120 VAC 60 Hz autotransformers each rated at 10 amps. Each autotransformer has its own "ON-OFF" toggle switch. All components are wired to a Type 26TB8 terminal board located behind a removable access plate ready to accept 120 VAC input and two (2) output circuits controlled by the autotransformers. The panel is designed for mounting in a weatherdeck environment and the interior components are sealed against entry of water during operation when the door is opened. This panel has been custom designed by Comsaco to meet a specific requirement. Variations are possible to meet your needs.

[Click here for the Drawing for 404248](#)

(404248-101)

2 total products.

## Enclosure Assemblies



### 2-1/2" Round

The 2-1/2" round brass enclosure is used for many standard Navy "Symbol" items, but is not covered by a military specification. The basic enclosure design is based on the NavShips drawing 9-S-73754. We offer it as an empty enclosure with a blank cover and a blank nameplate so it can be used as a junction box, terminal box, switch box or wherever you need a small submersible (15 feet) brass enclosure. It mounts with (2) 1/4-20 bolts or screws and it has 2 sides that are flat for cable entry. This is the smallest submersible brass enclosure that we offer and the least expensive. It is also available in aluminum if weight savings is of benefit. Our part number 404900-101.

[Click here for the Drawing for 404900-101](#)

(404900-101)



### 3" Round Enclosure

Enclosure assy, brass, size 3" round (nominal) x 2-7/16" deep. Submersible to 15 feet. The smallest of the family of round enclosures shown on MIL-E-24142/5. Part number M24142/5-001 per MIL-E-24142/5. NSN 5975-01-357-9485.

(M24142/5-001)



### 4" Round Enclosure

Enclosure assy, brass, size 4" round (nominal) x 3" deep. Submersible to 15 feet. The middle size of the family of round enclosures shown on MIL-E-24142/5. Part number M24142/5-002 per MIL-E-24142/5. NSN 5975-00-096-2717.

(M24142/5-002)



### 5" Round Enclosure

Enclosure assy, brass, size 5" round (nominal) x 3-3/4" deep. Submersible to 15 feet. The largest of the family of round enclosures shown on MIL-E-24142/5. Part number M24142/5-003 per MIL-E-24142/5. NSN 5975-00-096-2719 or 5975-01-316-7691.

(M24142/5-003)



## 8 x 10 Enclosure

Enclosure assembly, size 8x10x5 inches deep. Brass, submersible to 15 feet. Normally furnished with domed (Type A) cover. Also available with flat (Type B) cover. Part number M24142/6-001 per MIL-E-24142/6. NSN 5975-00-296-4756. Photo shows the item with and without cover. Provisions can be made for installation of a mounting plate for components inside the box and a suitable plate can be supplied to meet your requirements.

The box is normally furnished 5 inches deep. It is also available in depths of 3 inches and 4 inches on special order.

For more specifications, please click here:

[M241426 Enclosure Specs](#)

(M24142/6-001)



## 10 x 10 Enclosure

Enclosure assembly, size 10x10x5 inches deep. Brass, submersible to 15 feet. Normally furnished with domed (Type A) cover. Also available with flat (Type B) cover. Part number M24142/6-003 per MIL-E-24142/6. NSN 5975-01-204-2745. Provisions can be made for installation of a mounting plate for components inside the box and a suitable plate can be supplied to meet your requirements. The box is normally furnished 5 inches deep. It is also available with a depth of 3 inches on special order.

(M24142/6-003)



## 10 x 13 Enclosure

Enclosure assembly, size 10x13x5 inches deep. Brass, submersible to 15 feet. Normally furnished with domed (Type A) cover. Also available with flat (Type B) cover. Part number M24142/6-004 per MIL-E-24142/6. NSN 5975-00-296-5870. Provisions can be made for installation of a mounting plate for components inside the box and a suitable plate can be supplied to meet your requirements.

The box is normally furnished 5 inches deep. It is also available in a depth of 3 inches on special order.

(M24142/6-004)





## 10 x 16 Enclosure

Enclosure assembly, size 10x16x5 inches deep. Brass, submersible to 15 feet. Normally furnished with domed (Type A) cover. Also available with flat (Type B) cover. Part number M24142/6-005 per MIL-E-24142/6. NSN 5975-01-376-5789. Provisions can be made for installation of a mounting plate for components inside the box and a suitable plate can be supplied to meet your requirements. The box is normally furnished 5 inches deep. It is also available with a depth of 3 inches on special order.

(M24142/6-005)



## 10 x 18 Enclosure

Enclosure assembly, size 10x18x5 inches deep. Brass, submersible to 15 feet. Normally furnished with domed (Type A) cover. Also available with flat (Type B) cover. Part number M24142/6-006 per MIL-E-24142/6. NSN 5975-00-096-2720. Provisions can be made for installation of a mounting plate for components inside the box and a suitable plate can be supplied to meet your requirements. The box is normally furnished 5 inches deep. It is also available with a depth of 3 inches on special order.

(M24142/6-006)



## 12 x 13 Enclosure

Enclosure assembly, size 12x13x5 inches deep. Brass, submersible to 15 feet. Normally furnished with domed (Type A) cover. Also available with flat (Type B) cover. Part number M24142/6-008 per MIL-E-24142/6. NSN 5975-01-204-2744. Provisions can be made for installation of a mounting plate for components inside the box and a suitable plate can be supplied to meet your requirements. The box is normally furnished 5 inches deep. It is also available with a depth of 3 inches on special order.

(M24142/6-008)



## 12 x 17 Enclosure

Enclosure assembly, size 12x17x5 inches deep. Brass, submersible to 15 feet. Normally furnished with domed (Type A) cover. Also available with flat (Type B) cover. Part number M24142/6-009 per MIL-E-24142/6. NSN 5975-01-384-5809. Provisions can be made for installation of a mounting plate for components inside the box and a suitable plate can be supplied to meet your requirements. The box is normally furnished 5 inches deep. It is also available with a depth of 3 inches on special order.

(M24142/6-009)



## 12 x 24 Enclosure

Enclosure assembly, size 12x24x5 inches deep. Brass, submersible to 15 feet. Normally furnished with domed (Type A) cover. Also available with flat (Type B) cover. Part number M24142/6-010 per MIL-E-24142/6. Provisions can be made for installation of a mounting plate for components inside the box and a suitable plate can be supplied to meet your requirements. The box is normally furnished 5 inches deep. It is also available with a depth of 3 inches on special order.

(M24142/6-010)



## 14 x 16 Enclosure

Enclosure assembly, size 14x16x5 inches deep. Brass, submersible to 15 feet. Normally furnished with domed (Type A) cover. Also available with flat (Type B) cover. Part number M24142/6-012 per MIL-E-24142/6. NSN 5975-01-436-0920. Provisions can be made for installation of a mounting plate for components inside the box and a suitable plate can be supplied to meet your requirements. The box is normally furnished 5 inches deep. It is also available with a depth of 3 inches on special order.

(M24142/6-012)



## 14 x 20 Enclosure

Enclosure assembly, size 14x20x5 inches deep. Brass, submersible to 15 feet. Normally furnished with domed (Type A) cover. Also available with flat (Type B) cover. Part number M24142/6-013 per MIL-E-24142/6. NSN 5975-00-296-4760. Provisions can be made for installation of a mounting plate for components inside the box and a suitable plate can be supplied to meet your requirements. The box is normally furnished 5 inches deep. It is also available with a depth of 3 inches on special order.

(M24142/6-013)



## 14 x 26 Enclosure

Enclosure assembly, size 14x26x5 inches deep. Brass, submersible to 15 feet. Normally furnished with domed (Type A) cover. Also available with flat (Type B) cover. Part number M24142/6-014 per MIL-E-24142/6. Provisions can be made for installation of a mounting plate for components inside the box and a suitable plate can be supplied to meet your requirements. The box is normally furnished 5 inches deep. It is also available with a depth of 3 inches on special order.

(M24142/6-014)



## 20 x 24 enclosure

Enclosure, brass, 20 x 24 x 5-3/8" deep (inside), submersible to 15 feet. Non-magnetic. Enclosure box and cover made from 1/8" thick brass. Mounts with (10) 1/2-13 bolts. Part number M24142/7-001 per MIL-E-24142/7.

(M24142/7-001)



## 2-1/8 x 4-1/2 Enclosure

Enclosure, brass, size 2-1/8 x 4-1/2 x 2-1/4" deep (inside dimensions). Submersible to 15 feet. Used for a number of standard "Symbol" items. Its relatively small size makes this enclosure useful for various assemblies needed to fit close quarters. Normally furnished empty. Can be modified to include mounting plates, brackets, etc. to suit your requirements. If a smaller size is needed, see the part number M24142/9-001 which is 2-1/8 x 3 x 2-1/4". This assembly is military part number M24142/10-001 per MIL-E-24142/10. The NSN is 5975-01-278-9821.

(M24142/10-00)



### 3 x 5 Enclosure

Enclosure assy, brass, size 3x5x3-5/8" deep. Submersible to 15 feet. Part number M24142/2-001 per MIL-E-24142/2. NSN 5975-00-296-4751.

(M24142/2-001)



### 4x4 Enclosure

Enclosure assy, brass, size 4x4x2-13/16" deep, submersible to 15 feet. Part number M24142/1-001 per MIL-E-24142/1. NSN 5975-00-122-6048.

(M24142/1-001)



### 4 x 7 Enclosure

Enclosure assy, brass, size 4x7x4-1/2" deep. Submersible to 15 feet. Other depths are available on special order. Part number M24142/4-001 per MIL-E-24142/4. NSN 5975-00-357-0974.

(M24142/4-001)



### 6 x 9 Enclosure

Enclosure assy, brass, size 6x9. Submersible to 15 feet. Unless otherwise specified, this enclosure will be supplied with a depth of 5" inside as indicated by MIL-E-24142/3. The primary use of this enclosure is for a terminal box which is specified to be 4-1/2" deep inside. If the shallower depth is acceptable, a slight savings in cost can be expected because of the higher volume of usage. Other depths are also available on special order. Part number M24142/3-001 per MIL-E-24142/3. NSN 5975-01-185-3693.

(M24142/3-001)

21 total products.

## Engineered Products



### 2635-102-01

Panel, manual bus transfer, 250 AMP, drip-proof to 45 degrees, steel enclosure, with door, with two (2) NQB-A250 circuit breakers installed.



### 625715-1

Catapault safety light assembly, stainless steel, 14 X 12 X 6 enclosure, Per NAEC DWG 625715 REV-.



### 628010-1

Camera assembly, ILARTS, with cameral and monitor, enclosed, P/N 628010-1 PER NAEC/NAVAIR DRAWING 628010 REV -.



### Indicator Light, Retractable Sheave Status

This item consists of a 4 x 7 brass enclosure per MIL-E-24142/4 with a series of indicator lights mounted to the cover that indicate the status of the retractable sheave on the deck of an aircraft carrier. An adjustable bracket and stanchion are provided to secure the item in the proper position for viewing. In accordance with NAVAIR Drawing 617590, Part Number 617590-12. NSN is unknown, if assigned.

(617590-12)



## Bypass Switch & Indicator Panel

This panel is called the Bypass Switch and Indicator Panel, Arresting Gear Sheave Up. It consists of toggle switches and indicator lights mounted on the flat cover of an 8 x 10 x 5" brass enclosure per MIL-E-24142/6-001. Adjustable rheostats are provided internally for controlling the intensity of the illumination. Terminal blocks are provided for connection to ships cable. This is in accordance with NAVAIR Drawing 617488, Part Number 617488-19. NSN is unknown, if assigned. This panel is normally mounted within a larger panel, NAVAIR Part Number 624075-1, Arresting Gear Officer Deck Edge Control Station, which we also manufacture.

(617488-19)



## NAVAIR Relay Panel

This relay panel provides landing area status light and retractable sheave up status controls. NAVAIR drawing 617485, Part Number 617485-12 applies.

(617485-12)

6 total products.



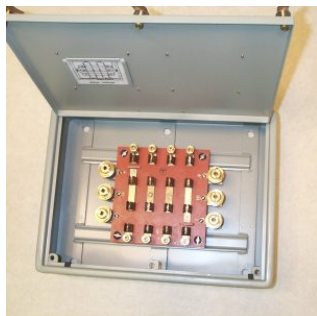
## Fuse Panels

□

### 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 MIL-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)

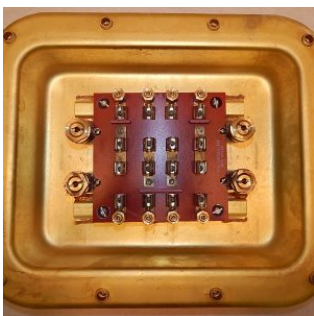
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## Symbol 555.1

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)

□

## 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)

□

## 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](#)

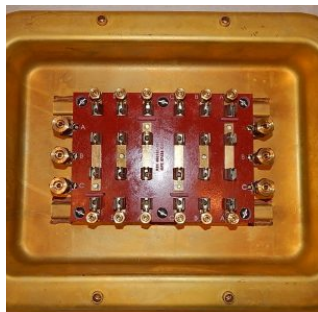
(SYM 559.1)

□

## 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)

□

## 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)

□

## 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 midjet 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.

(SYM 601)



## 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 midjet 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](#)

(SYM 600)



## 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](#)

(SYM 603)

□

## 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.

(SYM 605)



## 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 midjet 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](#)

(SYM 612.1)



## Symbol 613

Fuse Panel, Navy Symbol 613, totally enclosed, 125 volts, three phase line, single phase loads, 8 circuit, no switches. 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

(SYM 613)



## Symbol 613.1

Fuse Panel, Navy Symbol 613.1, totally enclosed, 125 volts, three phase line, single phase loads, 8 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 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

(SYM 613.1)



## 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](#)

(SYM 614)



## Symbol 615

Fuse panel, 4 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 615 per MIL-DTL-24646/6. Military PN M24646/6-006. NSN 6110-00-778-8964. Similar to Symbol 602 which has single phase feed and Symbol 604 which has a split single phase feeder.

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

(SYM 615)





## 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)

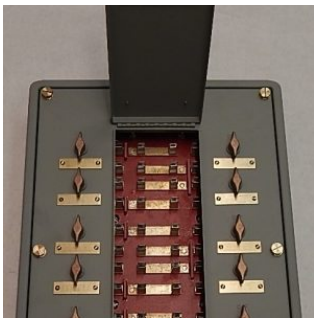


## Symbol 617

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.

(SYM 649.1)



## 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.

(SYM 650.1)



## 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](#)

(SYM 671.1)



## 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](#)

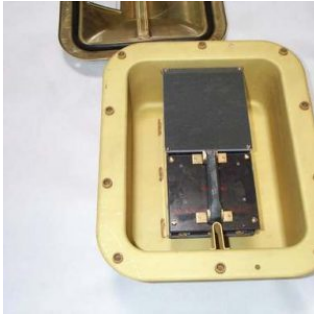
(SYM 685.1)



## 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.

(SYM 686.1)



## 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 w 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.

## Handlanterns



### SYM 100.2

Hand Lantern, w ithout relay , portable, w atertight, per MIL-DTL-16377/53D.



### SYM 100.2L

Hand Lantern, portable, w ith w hite LED, w atertight, PER MIL-DTL-16377/53D.



### SYM 101.2 RED

Hand Lantern, red, relay operated, 115V , w atertight, w ith mounting bolts in lantern, per MIL-DTL-16377/53D.



### SYM 101.2-SMOD

Hand Lantern, SYM 101.2 modified per DOD-HDBK-289 and NAVSEA DWG 5184170 SECA, SHT 6, to have toggle sw itch in lieu of pushbutton, w ith instruction plate and part number M16377/53-003 mounting bracket and 10 feet of cable. For surgical tables.



### SYM 101.3

Hand Lantern, rechargeable, with test switch, relay and battery. consists of part numbers M16377/53-001,-004,-008,-009 and mounting bolts supplied inside lantern. Per MIL-DTL-16377/53D.



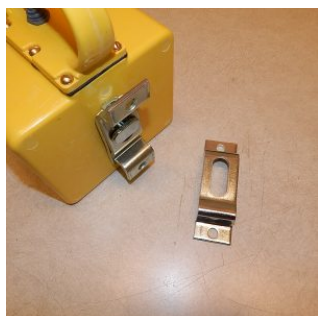
### SYM 101.3L

Hand Lantern, rechargeable, watertight, LED model, 115VAC, with test switch, supplied with mounting bolts inside of lantern, per MIL-DTL-16377/53D.



### SYM 2432.1

Brass adjustable bracket for Hand Lanterns. Per MIL-F-16377/55.



### SYM 2438

Bulkhead mounting bracket for Hand Lanterns. Per MIL-F-16377/54

8 total products.



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## Junction Box Seals



### 2×4 Connection Box Seal

Convert a 2x4 steel "handy box" from Totally Enclosed (TE) to splashproof with a seal kit consisting of a silicone rubber seal, oversized cover and attaching hardware. Plain covers are available in stainless steel or anodized aluminum.

[Click here for the Drawing for the 2 x 4 seal kit](#)

(JBS-107)



### 4×4 Connection Box Seal

Convert a 4x4 steel "handy box" from Totally Enclosed (TE) to splashproof with a seal kit consisting of a silicone rubber seal, oversized cover and attaching hardware. Plain covers are available in stainless steel or anodized aluminum.

[Click here for the Drawing for 4 x 4 Seal Kit](#)

(JBS-108)

2 total products.

## Lights and Lighting Fixtures



### Symbol 92.2

Fixture, lighting, 50 Watt, White, 120 Volts, Watertight, Plastic housing with zinc-plated steel shockmounts. Part Number M16377/27-92.2 per MIL-DTL-16377/27. NSN 6210-00-299-7703 (body) and 6210-00-702-5773 (globe). This item is also available with brass or stainless steel shockmounts and with a bracket for bulkhead mounting (see Part Number Symbol 92.3).

[Click here for the Drawing for 404-92.2](#)

(SYM 92.2 PG)



### Symbol 112

Fixture, lighting, incandescent, 110 watts, 120 volts AC, watertight, with frosted white globe. Symbol 112 per MIL-DTL-16377/26. Part number M16377/26-112 per MIL-DTL-16377/26. NSN 6210-00-635-8817 and 6210-00-635-8819 for body and globe respectively. Complete fixture not stocked in the supply system.

[Click here for the Drawing for SYM 112](#)



### Symbol 113

Fixture, lighting, incandescent, 110 watts, 120 volts, watertight, with frosted red globe. Symbol 113 per MIL-DTL-16377/26. Part number M16377/26-113 per MIL-DTL-16377/26. NSN 6210-00-635-8817 and 6210-00-635-8820 for body and globe respectively. Complete fixture is not stocked in the supply system.

[Click here for the drawing for SYM 113.](#)

3 total products.

## Switch Assemblies



### Symbol 780.2

Switch assembly, toggle, DPST, 10 Amp AC, 5 Amp DC, 125 V, non-magnetic, watertight. Consists of a double pole single throw (on-off) toggle switch mounted to the cover of a nominal 2-1/2" round brass enclosure. A rubber boot over the toggle provides watertight integrity along with the gasketed cover of the enclosure. Electrical connections are made directly to the switch contacts which are provided with #6-32 screws. This item is manufactured in accordance with NavShips Drawing 9-S-74427 and Comsaco Drawing 404-780.2. NSN 5930-00-522-1425.

If double throw switching (on-off-on) is required, see Symbol 780.4.

(SYM 780.2)



### Symbol 780.4

Switch assembly, toggle, DPDT, 10 Amp AC, 5 Amp DC, 125 V, non-magnetic, watertight. Consists of a double pole double throw (on-off-on) toggle switch mounted to the cover of a nominal 2-1/2" round brass enclosure. A rubber boot over the toggle provides watertight integrity along with the gasketed cover of the enclosure. Electrical connections are made directly to the switch contacts which are provided with #6-32 screws. This item is manufactured in accordance with NavShips Drawing 9-S-74427 and Comsaco Drawing 404-780.4. NSN 5930-00-522-5646. If single throw switching (on-off) is required, see Symbol 780.2.

[Click here for the Drawing for 404-780-4-rev-d](#)

(SYM 780.4)



### Symbol 789

Switch, pushbutton, single, 120 VAC 15 amps, 120 VDC 1 amp, watertight, non-magnetic. The switch has normally open (NO) and normally closed (NC) contacts. Normally wired single pole, normally open and connected to a Type 9TB2 terminal board for connection to external wiring. Enclosure dimension is nominally 2-1/2" round. Symbol 789 per NavShips Drawing 815-1853053 Rev D. Switches per Revision "D" will be supplied unless otherwise specified. Revision "C" is still used for the DDG51 Class. NSN 5930-00-687-1096.

[Click here for the Drawing for 404-789](#)

(SYM 789-D)



### Symbol 780.5

Switch assembly, toggle, double pole, single throw, 125 volts, 20 amps, totally enclosed, steel enclosure. Consists of a heavy duty toggle switch mounted in a drawn steel box designed for surface mounting, with a steel cover. Symbol number 780.5 per Navsea drawing 5184170 Method G-7-A/1. NSN 5930-00-643-9424 or 5930-01-112-8495. Can also be supplied with a 3/8-16 threaded female bushing for stud mounting (Symbol 780.5-S) or with a flange for flush mounting (Symbol 780.5-R).

[Click here for the Drawing for 404-780.5](#)

(SYM 780.5-ST)

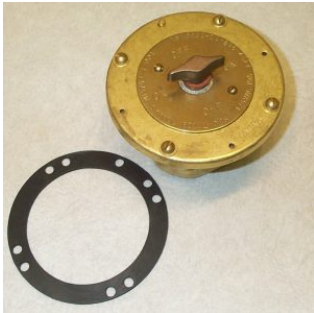


## Symbol 780.7

Switch assembly, toggle, double pole, double throw (on1-off-on2), 120 volts, 10 amps, Totally Enclosed, steel enclosure. Consisting of a sealed toggle switch mounted in the center of a 2x4 steel cover which is mounted to a 2x4 steel drawn box designed for surface mounting. Cable penetration is through 7/8" diameter knockouts in the sides, top and bottom of the box. Wiring interface is at #6-32 screw terminals on the switch. The use of ring-type terminals is recommended. Symbol 780.7 per Navsea Drawing 5184170 Method G-7-B/1. Also available as stud or flush mounting.

[Click here for the Drawing for 404-780.7](#)

(SYM 780.7)



## Symbol 801.1

Switch, rotary enclosed, 10 amp, 125 VAC, double pole, single throw (DPST), submersible to 15 feet, non-magnetic. recessed mounting. Consists of a Type 1SR2A4 rotary switch per MIL-S-15291/3 mounted in a 3" round brass enclosure per MIL-E-24142/5 that is actuated by a sealed shaft penetrating the cover. The assembly mounts within a 3-13/32" diameter hole in the panel or bulkhead with (4) #8-32 flat head screws (not furnished). A gasket is provided to give a watertight seal between the flange of the enclosure and the panel or bulkhead to which it is mounted. Switch action is ON-OFF-ON-OFF. Symbol 801.1 per MIL-DTL-15743/1, part number M15743/1-001. NSN 5930-00-296-4527. Similar to Symbol 801.2 which is surface-mounted.

(SYM 801.1)



## Symbol 801.2

Switch, rotary enclosed, 10 amp, 125 VAC, double pole, single throw (DPST), submersible to 15 feet, non-magnetic. surface mounting. Consists of a Type 1SR2A4 rotary switch per MIL-S-15291/3 mounted in a 3" round brass enclosure per MIL-E-24142/5 that is actuated by a sealed shaft penetrating the cover. The assembly mounts with (3) 3/8" bolts, 120 degrees apart on a 4-1/2" bolt circle. Switch action is ON-OFF-ON-OFF. Symbol 801.2 per MIL-DTL-15743/3, part number M15743/3-001. NSN 5930-00-617-2314 and 5930-01-263-5024. Similar to Symbol 801.1 which is recess-mounted.

[Click here for the Drawing for 404-801.2](#)

(SYM 801.2)



## Symbol 804.1

Switch, rotary enclosed, Triple Pole, Single Throw (TPST), ON-OFF-ON-OFF, 10 amps, 125 Volts AC, Submersible to 15 feet. Type 1SR3A4 in a 3" round brass enclosure. Part Number M15743/3-002 per MIL-DTL-15743/3. NSN 5930-00-296-5290.

[Click here for the Drawing for 404-804.1](#)

(SYM 804.1)



## Symbol 805.1

Switch, rotary enclosed, Four Pole, Single Throw (4PST), ON-OFF-ON-OFF, 10 Amps, 125 VAC, Submersible to 15 feet. Type 1SR4A4-2 in a 3" round brass enclosure. Part Number M15743/4-001 per MIL-DTL-15743/4. NSN 5930-00-259-7368. This highly versatile switch can be used to switch a single 3 phase load, two single phase loads from two different supplies, etc. Get creative.

(SYM 805.1)



## Symbol 814

Switch, rotary enclosed, 2 Double Pole Single Throw (2 DPST) switches, each with ON-OFF-ON-OFF switching, 10 amps, 125 VAC, rated Splashproof by the military specification but the design and construction is the same as for submersible to 15 feet (SBM-15). Type 2-1SR2A4-4 in a 3x5" brass enclosure. Designed for mounting flush into a panel cutout 3.16"x 5.16" with .84" radiused corners. Gasket is provided to seal at the panel interface (splashproof). Part Number M15743/7-001 per MIL-DTL-15743/7. NSN 5930-00-049-9765. The mil-spec requires that the nameplate be stamped or engraved for the control of fwd and aft tank compartment blowers as the standard marking. If you have another application, we can supply the nameplate blank, other than the ON-OFF marking, or with marking to suit your application.

(SYM 814)



## Symbol 850.1

Switch, rotary enclosed, Triple Pole, Double Throw (TPDT), OFF-LOAD 1-OFF-LOAD 2, 10 amps, 125 Volts AC, submersible to 15 feet. Type 1SR3B4 switch in a 4" round brass enclosure. Part Number M15743/5-002 per MIL-DTL-15743/5. Note: There is an error on the specification sheet for this switch. It incorrectly specifies a Type 1SR3C4 in Table I on page 9 of MIL-DTL-15743/5B. NSN 5930-00-296-5287 or NSN 5930-01-355-0394. There appears to be 2 NSNs assigned to this item.

[Click here for the Drawing for 404-850.1](#)

(SYM 850.1)



## Symbol 851

Switch assembly, rotary enclosed, 30 Amp, 500 V, TPST, SBM-15. Consists of a 30 Amp 500 VAC rotary switch with 3 decks, each having on-off-on-off switching characteristics mounted in a 5" round (nominal) brass enclosure per MIL-E-24142/5. The switch is mounted to the box which has a gasketed cover. It is operated by an actuator assembly that is sealed by a gland on the cover that provides watertight integrity to a depth of 15 feet. Electrical connections are made directly to the switch contacts which are provided with #10 screws. This item is manufactured in accordance with MIL-DTL-15743/8 and Comsaco Drawing 404-851. The military part number is M15743/8-003 and it is designated as a Type 3SR3A4-2. NSN 5930-00-296-7318 or 5930-01-245-9532. There are many other switch assemblies with the same basic characteristics with different switching arrangements available. Refer to the catalog or contact us if you require a configuration not listed.

[Click here for the Drawing for 404-851](#)

(SYM 851)



## Symbol 866

Switch assembly, Type S1JL10-5, 120 Volts AC, 5 amps, multipole, watertight. Type S1JL10 switch mounted in a 5" round aluminum enclosure per NavSea drawing 815-1197026.

(SYM 866)



## Symbol 869

Switch assembly, rotary, Type S2JL10-5, 120 Volts AC, 5 Amps, multipole, watertight. Type S2JL10 switch mounted in a 5" round aluminum enclosure per NavSea drawing 815-1197026. Also available in a brass enclosure as Symbol 869.1 per MIL-DTL-15743/21.

(SYM 869)





## Symbol 872

Switch assembly, rotary, Type S3JL10-5, 120 Volts AC, 5 Amps, multipole, watertight. Type S3JL10 switch mounted in a 5" round aluminum enclosure per NavSea drawing 815-1197026. Also available in a brass enclosure as Symbol 872.1 per MIL-DTL-15743/21.

(SYM 872)



## Symbol 2621.1

Switch assembly, pushbutton, triple, 120 VAC, 15 Amps, 120 VDC 1/2 Amp, watertight, non-magnetic. Consists of 3 pushbutton switches, each having one set of normally open and normally closed contacts, mounted to the cover of a 2-1/8 x 4-1/2" (nominal) brass enclosure. Rubber boots over the pushbuttons and the gasketed cover provide watertight integrity. The normally open contacts of the switches are wired to a type 6TB6 terminal board located in the bottom of the box which has #6 studs and accommodate Type L81 terminal lugs. Plastic marker strips, white with black core, are provided on the cover to be engraved by the installing activity with the circuit names or functions. Per NavShips Drawing 9-S-73756 and Comsaco Drawing 404-2621.1. Navy Symbol 2621.1, Type E-20A. NSN 5930-00-564-4683. See Symbol 789 for a similar item with a single pushbutton and Symbol 2620.1 for a similar item with 2 pushbuttons.

(SYM 2621.1)



## Symbol 2620.1

Switch assembly, pushbutton, double, 120 VAC, 15 Amps, 120 VDC 1/2 Amp, watertight, non-magnetic. Consists of 2 pushbutton switches, each having one set of normally open and normally closed contacts, mounted to the cover of a 2-1/8 x 3" (nominal) brass enclosure. Rubber boots over the pushbuttons and the gasketed cover provide watertight integrity. The normally open contacts of the switches are wired to a type 9TB4 terminal board located in the bottom of the box which has #6 studs and accommodate Type L81 terminal lugs. Plastic marker strips, white with black core, are provided on the cover to be engraved by the installing activity with the circuit names or functions. Per NavShips Drawing 9-S-73755 and Comsaco Drawing 404-2620.1. Navy Symbol 2620.1, Type E-18A. NSN 5930-00-096-2726. See Symbol 789 for a similar item with a single pushbutton and Symbol 2621.1 for a similar item with 3 pushbuttons.

(SYM 2620.1)



## Symbol 2651

Switch assembly, valve position indicating, 5 Amp, 250 VAC, SBM-15, non-magnetic. Consists of 2 cam-actuated micro-switches, each having 2 normally open and 2 normally closed contacts and individually adjustable cams on a common shaft mounted in a brass enclosure that is nominally 4" x 4" square. The shaft is operated by a customer-supplied linkage to a valve operator or other device that imparts rotary motion to the shaft which rotates the cams and actuates the switches to provide a position signal to a remote location. The shaft passes through a gland seal which, in conjunction with the gasketed cover on the box, provides watertight integrity to a depth of 15 feet. Electrical connections are made to a Type 9TB4 terminal board with #6 studs for a Type L81 terminal lug. Mechanical interface is to the shaft which is .370" in diameter and protrudes approximately 1-1/4" through the sidewall of the box. This item is manufactured in accordance with NavShips Drawing 9-S-73689 and Comsaco Drawing 404-2651. It is also available in special configurations with higher switch ratings and up to 3 switches. The NSN is 5930-00-259-8899. It is designated as a Type S-171A.

[Click here for the Drawing for 404-2651](#)

(SYM 2651)

18 total products.

## Terminal and Connection Boxes



### Symbol 400.1

Terminal/connection box, 4 terminal, 8 wires, 150 Volts, 15 Amps, Submersible to depth of 15 feet. One (1) type 13TB4 terminal board mounted in a 3" diameter (approx) brass enclosure. Military Part Number M24558/18-001 per MIL-T-24558/18.

#### Notes:

1. Comsaco uses the alternate enclosure per 9-S-74210 for this item. If the 3" round enclosure per MIL-E-24142/5 is needed, it should be specified in your RFQ.
2. MIL-T-24558/18 rates this terminal box at 600 volts. The terminal board used, Type 13TB4, is only rated at 150 volts per MIL-T-55164/18. If used for voltages higher than 150, careful selection and placement of terminal lugs will be required to maintain adequate creepage and clearance distances.

[Click here for the Drawing for SYM 400.1](#)

(SYM 400.1)



### Symbol 400.2

Connection box, 4 terminal, 12 wires, 150 volts, 15 amps, brass. Submersible to 15 feet. One (1) type 13TB4 terminal board in 4" enclosure. P/N M24558/18-002 per MIL-T-24558/18. NSN 5940-00-231-0831.

#### Notes:

1. Comsaco uses the alternate enclosure per 9-S-74210 as permitted by MIL-T-24558/18. If the 4" round enclosure per MIL-E-24142/5 is required, please specify in your request for quotation.
2. MIL-T-24558/18 rates this terminal box at 600 volts. The terminal board used, Type 13TB4, is only rated at 150 volts per MIL-T-55164/18. If used at voltages higher than 150, careful selection and placement of terminal lugs will be required to maintain adequate creepage and clearance distances.

[Click here for the Drawing for 404-400.2](#)

(SYM 400.2)



### Symbol 403.1

Terminal box, 2 circuit, 3 phase, 500 volts, for two (2) 75 MCM cables, submersible to 15 feet. Non-magnetic. Three bus bar weldments are mounted to a laminated plastic (GME) insulator base secured to the bottom of a 4x7 enclosure per MIL-E-24142/4. Each terminal is designed to accommodate a 75 MCM cable at each end by way of a pressure screw with a locknut to secure the pressure screw in place. Part number M24558/23-403.1 per MIL-T-24558/23. NSN 5940-00-215-5960.

(SYM 403.1)



### Symbol 406.1

Connection Box, totally enclosed, zinc-plated steel, 4" square x 2-1/8" deep, with plain blank cover. With a minimum of 15 knockouts for 1/2" conduit located 3 on each side and on the back. Surface mounting. Per NAVSHIPS Dw g 5184170. NSN 5975-00-194-8877 (box) and 5975-00-281-0056 (cover).

Also available with provisions for stud mounting, see our Part Number 404186-102, and with a plain back or with mounting holes as required.

[Click here for the Drawing for 404-406.1](#)

(SYM 406.1)



## Symbol 406.2

Connection Box, zinc-plated steel, totally enclosed, 2 x 4 x 2-1/8" deep with plain flat cover, with eleven (11) knockouts for 1/2" conduit located 3 on each side, 1 on each end and 3 on the back. Surface mounting. Per NAVSHIPS Dw g 5184170. NSN 5975-00-284-5827 (box) and 5975-00-280-7921 (cover).

Also available with facilities for stud mounting, see our Part Number 404186-101, with plain back, or with mounting holes as required.

[Click here for the Drawing for 404-406.2](#)

(SYM 406.2)



## Symbol 415

Terminal/connection box, 500 volts, 1 phase, for two (2) 2 conductor cables up to 75 MCM, submersible to 15 feet, non-magnetic. Consists of 2 bus bars mounted on a laminated plastic (GME) insulator secured to the bottom of a 8x10x5" deep enclosure per MIL-E-24142/6. The cables are clamped between a fixed and moveable cap which have grooves cut in them to keep the cable in place. The groove is sized for a maximum cable size of 75 MCM. Larger cable sizes can be accommodated by increasing the size of the groove which also changes the Symbol number. Symbol 415.1 accommodates cables up to 100 MCM. Symbol 415.2 accommodates up to 125 MCM. Symbol 415.3 accommodates up to 150 MCM and Symbol 415.4 accommodates up to 200 MCM. Part number M24558/22-415 per MIL-T-24558/22. NSN 5940-00-216-7406 applies to the Symbol 415 which is the only NSN assigned to this group.

[Click here for the Drawing for 404-415](#)

(SYM 415)



## Symbol 416

Connection box, for connecting two (2) three phase circuits rated up to 500 volts, 200 amps per terminal. Cable size 75 MCM maximum. Submersible to 15 feet. Three terminals are mounted on an insulating base in a "6x9" brass enclosure. Part number M24558/24-416 per MIL-T-24558/24. NSN 5940-284-9157. Formerly covered by NAVSHIPS Dw g 9000-S6202-74192.

[Click here for the Drawing for 404-416](#)

(SYM 416)



## Symbol 418.1

Terminal/connection box, 500 volts, 3 phase, 2 circuit, for two (2) 3 conductor cables up to 250 MCM, submersible to 15 feet, non-magnetic. Consists of 3 bus bar weldments mounted on a laminated plastic (GME) insulator secured to the bottom of a 12 x 13 enclosure per MIL-E-24142/6. The cables are clamped between a fixed and moveable cap which have grooves cut in them to keep the cable in place. The groove is sized for a maximum cable size of 250 MCM. Larger cable sizes can be accommodated by increasing the size of the groove which also changes the Symbol number. Symbol 418.2 accommodates cables up to 300 MCM. Symbol 418.3 accommodates up to 400 MCM. Part number M24558/25-418.1 per MIL-T-24558/25. NSN 5940-00-216-7409 applies to the Symbol 418.1 which is the only NSN assigned to this group.

(SYM 418.1)



## Symbol 432.1

Terminal box, 20 terminals, 80 wires max, 600 volts, 40 amps max per terminal, submersible to 15 feet. One (1) Type 4TB20 terminal board mounted in a 6x9x4-1/2" deep brass enclosure. Part number M24558/4-432.1 per MIL-T-24558/4. NSN 5940-00-215-5962. Previously covered by NavShips drawing 9-S-74135. Need more terminals? We can supply this with a Type 6TB24 terminal board that will provide 24 terminals rated at 600 volts, 30 amps, 4 wires per terminal. This would be a special order with a Comsaco part number.

[Click here for the Drawing for 404-432.1](#)

(SYM 432.1)



## Symbol 433.1

Terminal box, 40 terminal, 160 wires, 600 volts, 40 amps per terminal, submersible to 15 feet. 2 type 4TB20 terminal boards mounted in an 8 x 10 x 5" deep brass enclosure. P/N M24558/6-433.1 per MIL-T-24558/6. NSN 5940-00-215-5963

[Click here for the Drawing for 404-433.1](#)

(SYM 433.1)



## Symbol 434

Terminal Box, 30 terminal, 90 wires, 600 volts, 30 amps per terminal, submersible to 15 feet. One (1) Type 6TB24 and one (1) Type 6TB6 terminal board mounted in a 4x7 brass enclosure. P/N M24558/5-434 per MIL-T-24558/5. NSN 5940-00-080-3931.

[Click here for the Drawing for 404-434](#)

(SYM 434)



## Symbol 435.1

Terminal Box, 8 terminal, 32 wires, 600 volts, 40 amps per terminal, submersible to 15 feet. One (1) Type 4TB8 terminal board in a 5" round brass enclosure. P/N M24558-435.1 per MIL-T-24558/2. NSN 5940-00-215-5959.

[Click here for the Drawing for 404-435.1](#)

(SYM 435.1)



## Symbol 438

Terminal box, 80 terminal, 320 wires, 600 volts, 40 amps max per terminal, submersible to 15 feet. 4 Type 4TB20 terminal boards mounted in a 12x17x5" deep brass enclosure. Military Part Number M24558/10-438 per MIL-DTL-24558/10. NSN 5940-00-351-2228. Normally supplied with domed cover.

[Click here for the Drawing for 404-438](#)

(SYM 438)



## Symbol 444

Terminal box, 4 terminal, 8 wire, 1,000 volts, 40 amps maximum per terminal, submersible to 15 feet. Type 16TB4 terminal board mounted on brackets in a 5 inch round brass enclosure. Part number M24558/19-444 per MIL-DTL-24558/19. NSN 5940-01-174-5653.

[Click here for the Drawing for 404-444](#)

(SYM 444)





## Symbol 446

Terminal box, 60 terminal, 240 wires, 600 volts, 40 amps max per terminal, submersible to 15 feet. 3 Type 4TB20 terminal boards mounted in a 10x13x5" deep brass enclosure. Military Part Number M24558/8-446 per MIL-DTL-24558/8. NSNs 5940-00-215-5967 and 5940-01-246-0848 are assigned. Normally supplied with domed cover.

(SYM 446)



## Symbol 450

Terminal box, 120 terminal, 480 wires, 600 volts, 40 amps max per terminal, submersible to 15 feet. 6 Type 4TB20 terminal boards mounted in a 12x24x5" deep enclosure. Part number M24558/12-450 per MIL-T-24558/12. NSN 5940-00-080-3932. Normally supplied with domed cover. Cover removed in photo for clarity.

[Click here for the Drawing for 404-450](#)

(SYM 450)



## Symbol 451

Terminal box, 192 terminals, 576 wires max, 600 volts, 30 amps max per terminal, submersible to 15 feet. Eight (8) Type 6TB24 terminal boards mounted in a 14 x 20 x 5" deep brass enclosure. Part number M24558/14-451 per MIL-T-24558/14. NSN 5940-00-665-0884. Previously covered by NAVSHIPS drawing 9000-S6202-74375 Rev D. Earlier revisions of this drawing used a 14 x 16 x 5" deep enclosure which is still used in some applications where space is at a premium, such as in submarines. This is still available by special order.

[Click here for the Drawing for 404-451](#)

(SYM 451)



## Symbol 452

Terminal box, connection, 200 terminal, 800 wire, 600 volts, 30 amps per terminal, submersible (SBM-15), non-magnetic. Consists of (10) Type 4TB20 terminal boards mounted on brackets within a 20 x 24 x 5-3/8" deep brass enclosure assembly per MIL-E-24142/7. The removable cover is gasketed to provide submergence to a depth of 15 feet. Cable entrance is made by the installing activity through the side walls of the enclosure via stuffing tubes to maintain the enclosure effectiveness. Terminal lugs for connection to the terminal boards should have an L80 tongue shape. Symbol 452 per MIL-DTL-24558/15. NSN 5940-01-167-3894. See Symbol 454 for a similar item with more terminals.

[Click here for the Drawing for 404-452](#)

(SYM 452)



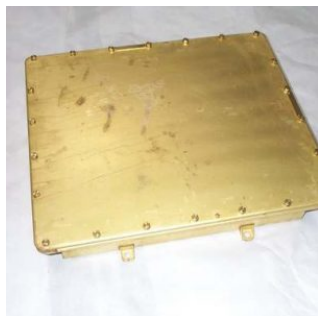
## Symbol 453

Terminal box, connection, 288 terminal, 864 wire, 600 volts, 30 amps per terminal, submersible (SBM-15), non-magnetic. Consists of (12) Type 6TB24 terminal boards mounted on brackets within a 14 x 26 x 5" deep brass enclosure assembly per MIL-E-24142/6. The removable cover is gasketed to provide submergence to a depth of 15 feet. Cable entrance is made by the installing activity through the side walls of the enclosure via stuffing tubes to maintain the enclosure effectiveness. Terminal lugs for connection to the terminal boards should have an L81 tongue shape. Symbol 453 per MIL-DTL-24558/16, Part Number M24558/16-453. NSN 5940-00-665-0885.

[Click here for the Drawing for 404-453](#)

(SYM 453)





## Symbol 454

Terminal box, connection, 384 terminal, 1152 wire, 600 volts, 30 amps per terminal, submersible (SBM-15), non-magnetic. Consists of (16) Type 6TB24 terminal boards mounted on brackets within a 20 x 24 x 5-3/8" deep brass enclosure assembly per MIL-E-24142/7. The removable cover is gasketed to provide submergence to a depth of 15 feet. Cable entrance is made by the installing activity through the side walls of the enclosure via stuffing tubes to maintain the enclosure effectiveness. Terminal lugs for connection to the terminal boards should have an L81 tongue shape. Symbol 454 per MIL-DTL-24558/15, Part Number M24558/17-454. NSN 5940-01-116-5978. See Symbol 452 for a similar item with fewer terminals.

[Click here for the Drawing for 404-454](#)

(SYM 454)



## Symbol 476.1

Terminal box, connection, 12 terminals, 2 wires per terminal, 500 volts, 100 amps per terminal, submersible (SBM-15), non-magnetic, max cable size 40 MCM. Consists of 12 2-wire compression type brass terminals mounted on a GME insulator within an 8 x 10 x 5" deep brass enclosure assembly per MIL-E-24142/6. The removable cover is gasketed to provide submergence to a depth of 15 feet. Cable entrance is made by the installing activity through the side walls of the enclosure via stuffing tubes to maintain the enclosure effectiveness. Symbol 476.1 per MIL-DTL-24558/21. Part Number M24558/21-476.1 NSN 5940-00-296-6714.

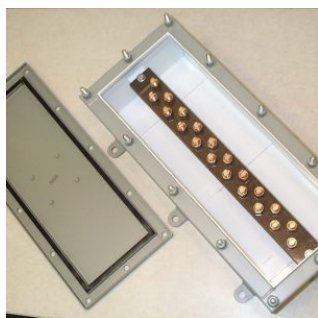
(SYM 476.1)

## Symbol 477.1

Connection box, for degaussing cables, 20 terminal, for size 6.5 MCM to 13 MCM cables. submersible to 15 feet (SBM-15), steel. Consists of 20 grounding service type connectors mounted on a GME insulator in a submersible steel enclosure with a removable cover. The enclosure is painted to resist corrosion. Each terminal connector is designed for 2 cables ranging in size from 6.5 MCM to 13 MCM. Cable entrance is made by the installing activity through the side walls of the box using stuffing tubes or similar devices to maintain watertight integrity. If desired, Comsaco can provide multi-cable transit devices to facilitate cable entrance to meet your specifications. Symbol 477.1 per MIL-C-24404/1. NSN not assigned. For additional corrosion resistance, this enclosure can be fabricated of Type 316 stainless steel. For weight reduction, aluminum can be used.

[Click here for the Drawing for 404-477.1](#)

(SYM 477.1)



## Symbol 477.2

Connection box, for degaussing cables, 20 terminal, for size 14 MCM to 60 MCM cables. submersible to 15 feet (SBM-15), steel. Consists of 20 grounding service type connectors mounted on a GME insulator in a submersible steel enclosure with a removable cover. The enclosure is painted to resist corrosion. Each terminal connector is designed for 2 cables ranging in size from 14 MCM to 60 MCM. Cable entrance is made by the installing activity through the side walls of the box using stuffing tubes or similar devices to maintain watertight integrity. If desired, Comsaco can provide multi-cable transit devices to facilitate cable entrance to meet your specifications. Symbol 477.2 per MIL-C-24404/1. NSN 5940-01-379-2271. For additional corrosion resistance, this enclosure can be fabricated of Type 316 stainless steel. For weight reduction, aluminum can be used.

(SYM 477.2)

## Symbol 478.2

Connection box, for degaussing cables, 40 terminal, for size 6.5 MCM to 13 MCM cables. submersible to 15 feet (SBM-15), steel. Consists of 40 grounding service type connectors mounted on (2) GME insulators in a submersible steel enclosure with a removable cover. The enclosure is painted to resist corrosion. Each terminal connector is designed for 2 cables ranging in size from 6.5 MCM to 13 MCM. Cable entrance is made by the installing activity through the side walls of the box using stuffing tubes or similar devices to maintain watertight integrity. If desired, Comsaco can provide multi-cable transit devices to facilitate cable entrance to meet your specifications. Symbol 478.2 per MIL-C-24404/2. NSN 5975-00-284-5794. For additional corrosion resistance, this enclosure can be fabricated of Type 316 stainless steel. For weight reduction, aluminum can be used.

(SYM 478.2)



### Symbol 478.3

Connection box, for degaussing cables, 40 terminal, for size 14 MCM to 60 MCM cables. submersible to 15 feet (SBM-15), steel. Consists of 40 grounding service type connectors mounted on (2) GME insulators in a submersible steel enclosure with a removable cover. The enclosure is painted to resist corrosion. Each terminal connector is designed for 2 cables ranging in size from 14 MCM to 60 MCM. Cable entrance is made by the installing activity through the side walls of the box using stuffing tubes or similar devices to maintain watertight integrity. If desired, Comsaco can provide multi-cable transit devices to facilitate cable entrance to meet your specifications. Symbol 478.3 per MIL-C-24404/2. NSN 1075-01-235-1598. For additional corrosion resistance, this enclosure can be fabricated of Type 316 stainless steel. For weight reduction, aluminum can be used.

(SYM 478.3)



### Symbol 478.4

Connection box, for degaussing cables, 10 terminal, for size 75 MCM to 200 MCM cables. submersible to 15 feet (SBM-15), steel. Consists of 10 grounding service type connectors mounted on a GME insulator in a submersible steel enclosure with a removable cover. The enclosure is painted to resist corrosion. Each terminal connector is designed for 2 cables ranging in size from 75 MCM to 200 MCM. Cable entrance is made by the installing activity through the side walls of the box using stuffing tubes or similar devices to maintain watertight integrity. If desired, Comsaco can provide multi-cable transit devices to facilitate cable entrance to meet your specifications. Symbol 478.4 per MIL-C-24404/2. NSN 5940-01-514-1380. For additional corrosion resistance, this enclosure can be fabricated of Type 316 stainless steel. For weight reduction, aluminum can be used.

(SYM 478.4)

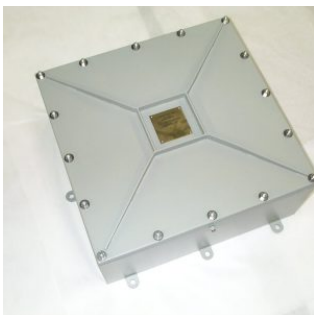
□

### Symbol 479.1

Connection box, for degaussing cables, 60 terminal, for size 6.5 MCM to 13 MCM cables. submersible to 15 feet (SBM-15), steel. Consists of 60 grounding service type connectors mounted on (3) GME insulators in a submersible steel enclosure with a removable cover. The enclosure is painted to resist corrosion. Each terminal connector is designed for 2 cables ranging in size from 6.5 MCM to 13 MCM. Cable entrance is made by the installing activity through the side walls of the box using stuffing tubes or similar devices to maintain watertight integrity. If desired, Comsaco can provide multi-cable transit devices to facilitate cable entrance to meet your specifications. Symbol 479.1 per MIL-C-24404/3. NSN not assigned. For additional corrosion resistance, this enclosure can be fabricated of Type 316 stainless steel. For weight reduction, aluminum can be used.

[Click here for the Drawing for 404-479.1](#)

(SYM 479.1)



### Symbol 479.2

Connection box, for degaussing cables, 60 terminal, for size 14 MCM to 60 MCM cables. submersible to 15 feet (SBM-15), steel. Consists of 60 grounding service type connectors mounted on (3) GME insulators in a submersible steel enclosure with a removable cover. The enclosure is painted to resist corrosion. Each terminal connector is designed for 2 cables ranging in size from 14 MCM to 60 MCM. Cable entrance is made by the installing activity through the side walls of the box using stuffing tubes or similar devices to maintain watertight integrity. If desired, Comsaco can provide multi-cable transit devices to facilitate cable entrance to meet your specifications. Symbol 479.2 per MIL-C-24404/3. NSN not assigned. For additional corrosion resistance, this enclosure can be fabricated of Type 316 stainless steel. For weight reduction, aluminum can be used.

[Click here for the Drawing for 404-479.2](#)

(SYM 479.2)

□

### Symbol 480.3

Connection box, for degaussing cables, 80 terminal, for size 6.5 MCM to 13 MCM cables. submersible to 15 feet (SBM-15), steel. Consists of 80 grounding service type connectors mounted on (4) GME insulators in a submersible steel enclosure with a removable cover. The enclosure is painted to resist corrosion. Each terminal connector is designed for 2 cables ranging in size from 6.5 MCM to 13 MCM. Cable entrance is made by the installing activity through the side walls of the box using stuffing tubes or similar devices to maintain watertight integrity. If desired, Comsaco can provide multi-cable transit devices to facilitate cable entrance to meet your specifications. Symbol 480.3 per MIL-C-24404/4. NSN not assigned. For additional corrosion resistance, this enclosure can be fabricated of Type 316 stainless steel. For weight reduction, aluminum can be used.

[Click here for the Drawing for 404-480.3](#)

(SYM 480.3)



## Symbol 480.4

Connection box, for degaussing cables, 80 terminal, for size 14 MCM to 60 MCM cables. submersible to 15 feet (SBM-15), steel. Consists of 80 grounding service type connectors mounted on (4) GME insulators in a submersible steel enclosure with a removable cover. The enclosure is painted to resist corrosion. Each terminal connector is designed for 2 cables ranging in size from 14 MCM to 60 MCM. Cable entrance is made by the installing activity through the side walls of the box using stuffing tubes or similar devices to maintain watertight integrity. If desired, Comsaco can provide multi-cable transit devices to facilitate cable entrance to meet your specifications. Symbol 480.4 per MIL-C-24404/4. NSN 5940-01-177-3183. For additional corrosion resistance, this enclosure can be fabricated of Type 316 stainless steel. For weight reduction, aluminum can be used.

(SYM 480.4)

□

## Symbol 480.5

Connection box, for degaussing cables, 18 terminal, for size 75 MCM to 350 MCM cables. submersible to 15 feet (SBM-15), steel. Consists of 18 grounding service type connectors mounted on a GME insulator in a submersible steel enclosure with a removable cover. The enclosure is painted to resist corrosion. Each terminal connector is designed for 2 cables ranging in size from 75 MCM to 350 MCM. Cable entrance is made by the installing activity through the side walls of the box using stuffing tubes or similar devices to maintain watertight integrity. If desired, Comsaco can provide multi-cable transit devices to facilitate cable entrance to meet your specifications. Symbol 480.5 per MIL-C-24404/4. NSN 1075-01-353-2546. For additional corrosion resistance, this enclosure can be fabricated of Type 316 stainless steel. For weight reduction, aluminum can be used.

(SYM 480.5)



## Symbol 480.6

Connection box, for degaussing cables, 20 terminal, for size 75 MCM to 200 MCM cables. submersible to 15 feet (SBM-15), steel. Consists of 20 grounding service type connectors mounted on a GME insulator in a submersible steel enclosure with a removable cover. The enclosure is painted to resist corrosion. Each terminal connector is designed for 2 cables ranging in size from 75 MCM to 200 MCM. Cable entrance is made by the installing activity through the side walls of the box using stuffing tubes or similar devices to maintain watertight integrity. If desired, Comsaco can provide multi-cable transit devices to facilitate cable entrance to meet your specifications. Symbol 480.6 per MIL-C-24404/4. NSN 1075-01-290-5179. For additional corrosion resistance, this enclosure can be fabricated of Type 316 stainless steel. For weight reduction, aluminum can be used.

(SYM 480.6)

□

## Symbol 480.7

Connection box, for degaussing cables, 12 terminal, for size 157 MCM to 413 MCM cables. submersible to 15 feet (SBM-15), steel. Consists of 12 grounding service type connectors mounted on a GME insulator in a submersible steel enclosure with a removable cover. The enclosure is painted to resist corrosion. Each terminal connector is designed for 2 cables ranging in size from 157 MCM to 413 MCM. Cable entrance is made by the installing activity through the side walls of the box using stuffing tubes or similar devices to maintain watertight integrity. If desired, Comsaco can provide multi-cable transit devices to facilitate cable entrance to meet your specifications. Symbol 480.7 per MIL-C-24404/4. NSN not assigned. For additional corrosion resistance, this enclosure can be fabricated of Type 316 stainless steel. For weight reduction, aluminum can be used.

(SYM 480.7)



## Symbol 520.1

Terminal Box, 6 terminals, 18 wires, 600 volts, 30 amps per terminal, submersible to 15 feet. 1 Type 6TB6 terminal board mounted in a 3" brass enclosure. P/N M24558/1-520.1 per MIL-T-24558/1. NSN 5940-00-351-2222.

[Click here for the Drawing for 404-520.1](#)

(SYM 520.1)



## Symbol 522.1

Terminal Box, 48 terminal, 144 wires, 600 volts, 30 amps per terminal, submersible to 15 feet. 2 Type 6TB24 terminal boards mounted in an 8 x 10 x 5" deep brass enclosure. P/N M24558/7-522.1 per MIL-T-24558/7. NSN 5940-00-351-2226.

[Click here for the Drawing for 404-522.1](#)

(SYM 522.1)



## Symbol 523.1

Terminal box, 96 terminals, 288 wires max, 600 volts, 30 amps max per terminal, submersible to 15 feet. Four (4) Type 6TB24 terminal boards mounted in a 10x13x5" deep brass enclosure. Part number M24558/11-523.1 per MIL-DTL-24558/11. NSN 5940-00-351-2227. Previously covered by NavShips drawing 9-S-74132.

[Click here for the Drawing for 404-523.1 Rev B](#)

(SYM 523.1)



## Symbol 524.1

Terminal box, 144 terminal, 432 wires, 600 volts, 30 amps max per terminal, submersible to 15 feet. 6 Type 6TB24 terminal boards mounted in a 12x17x5" deep brass enclosure. Military Part Number M24558/13-524.1 per MIL-DTL-24558/13. NSNs 5940-00-351-2229 and 5940-01-244-9147 are assigned. Normally supplied with domed cover.

[Click here for Drawing for 404-524.1](#)

(SYM 524.1)

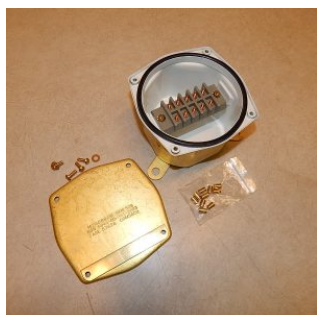


## Symbol 525

Terminal Box, 72 terminals, 216 wires, 600 volts. 30 amps per terminal, submersible to 15 feet. 3 Type 6TB24 terminal boards mounted in an 8 x 10 x 5" deep brass enclosure. P/N M24558/9-525 per MIL-T-24558/9. NSN 5940-00-351-2225.

[Click here for the Drawing for 404-525](#)

(SYM 525)



## Symbol 528

Terminal Box, 10 terminal, 30 wires, 600 volts, 30 amps per terminal, submersible to 15 feet. One (1) Type 6TB10 terminal board mounted in a 4" brass enclosure. P/N M24558/3-528 per MIL-T-24558/3. NSN 5940-00-351-2223.

[Click here for the Drawing for 404-528](#)

(SYM 528)





## Symbol 529

Terminal box, 10 terminal, 20 wires max, 1,000 volts, 40 amps max per terminal, submersible to 15 feet. Type 16TB10 terminal board mounted in a 6x9x4-1/2" deep brass enclosure. Part number M24558/20-529 per MIL-T-24558/20. NSN 5940-00-503-4204. Previously covered by NAVSHIPS drawing 815-1197015.

[Click here for the Drawing for 404-529](#)

(SYM 529)



## Symbol 572.1

Terminal box, connection, 500 volts, 3 phase, Submersible to 15 feet, non-magnetic. Provided with main terminals for 75 MCM cables that permit feeding through the box and taps for up to 2 three phase branch circuits using up to 40 MCM cables. Terminals and bus bar are mounted on an insulator which is mounted in a 10x13x5" deep brass enclosure per MIL-E-24142/6-004. Symbol 572.1 per MIL-DTL-24558/26. Military Part Number M24558/26-572.1. NSN 5940-00-215-5965. Approximate weight 30 pounds.

(SYM 572.1)



## Symbol 575.1

Terminal box, connection, 500 volts, 3 phase, Submersible to 15 feet, non-magnetic. Provided with main terminals for 200 MCM cables that permit feeding through the box and taps for up to 2 three phase branch circuits using up to 75 MCM cables. Terminals and bus bar are mounted on an insulator which is mounted in a 10 x 13 brass enclosure per MIL-E-24142/6-004. Symbol 575.1 per MIL-DTL-24558/29. Military Part Number M24558/29-575.1. NSN 5940-00-215-5966. Approximate weight 31 pounds.

[Click here for the Drawing for 404-575.1](#)

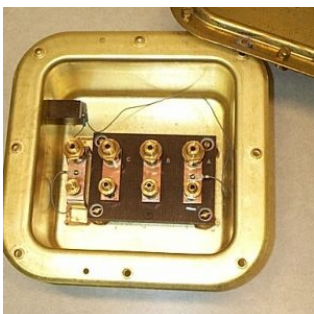
(SYM 575.1)



## Symbol 764.1

The Symbol 764.1 provides a point for the connection of aircraft servicing cables to provide up to 170 amps of 115/200 Volt, 3 phase, 4 wire 400 Hz power directly to the aircraft servicing cable through its molded plug. The receptacle is protected by a brass cap that maintains the watertight integrity of the enclosure when the cap is installed. The enclosure is brass, size 8 x 10 x 5" deep with a flat cover per MIL-E-24142/6. This unit is in accordance with the NavShips Drawing 9-S-74362. The NSN is 5935-00-500-5258. The approximate weight is 22 pounds.

(SYM 764.1)



## Symbol 764.2

Connection box, for 400 Hz aircraft servicing. 115/200 Volts, 170 Amps, 3 phase, 4 wire, Spraytight. For distribution of 400 Hz power from the power supply to the portable cable used to service the aircraft. Consists of a 10 x 10 x 5" deep brass enclosure, P/N M24142/6-003 per MIL-E-24142/6 with 3 insulated terminal assemblies and one terminal assembly grounded to the box. The power terminals accommodate a feeder cable up to 200 MCM and a portable cable size of 75 MCM. The ground terminal accommodates 200 MCM on the feeder side and 40 MCM on the portable cable side. An indicator light with green lens is provided to indicate power available. Cable entrance is made by the installing activity through the side walls of the box using appropriate stuffing tubes to maintain the integrity of the enclosure. Omission of the indicator light raises the degree of enclosure to submersible (SBM-15) if desired. Symbol 764.2 is manufactured per NavShips Drawing 9000-S6202-74362. NSN not assigned.

[Click here for the Drawing for 404-764.2](#)

(SYM 764.2)

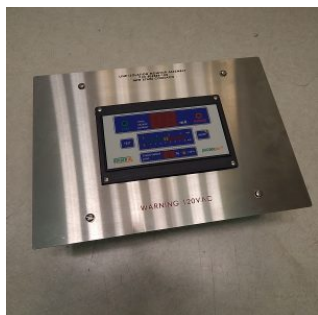




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44 total products.

## Miscellaneous Items



### 404388-102

Montior assembly, line isolation, 120VAC, 3 phase, consisting of BENDER LIM P/N B92075017H mounted to a stainless steel faceplate and mounted on a 12X8X4 surface mounted enclosure per COMSACO DWG 404388.

1 total products.