

## 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)

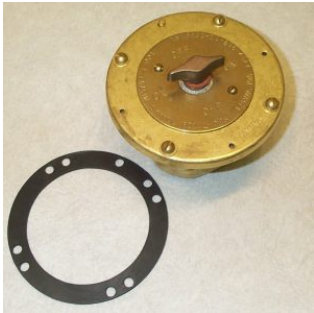


### Symbol 780.7

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 draw n 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 1SR4A-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.

(SYM814)



## 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](#)

(SYM850.1)



## 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](#)

(SYM851)



## 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.

(SYM866)



## 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.

(SYM869)



## 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.

(SYM872)



## 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.

(SYM2621.1)



## 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.

(SYM2620.1)



## 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](#)

(SYM2651)

18 total products.