

INCH-POUND

W-S-896/2E

18 April 2001

SUPERSEDING

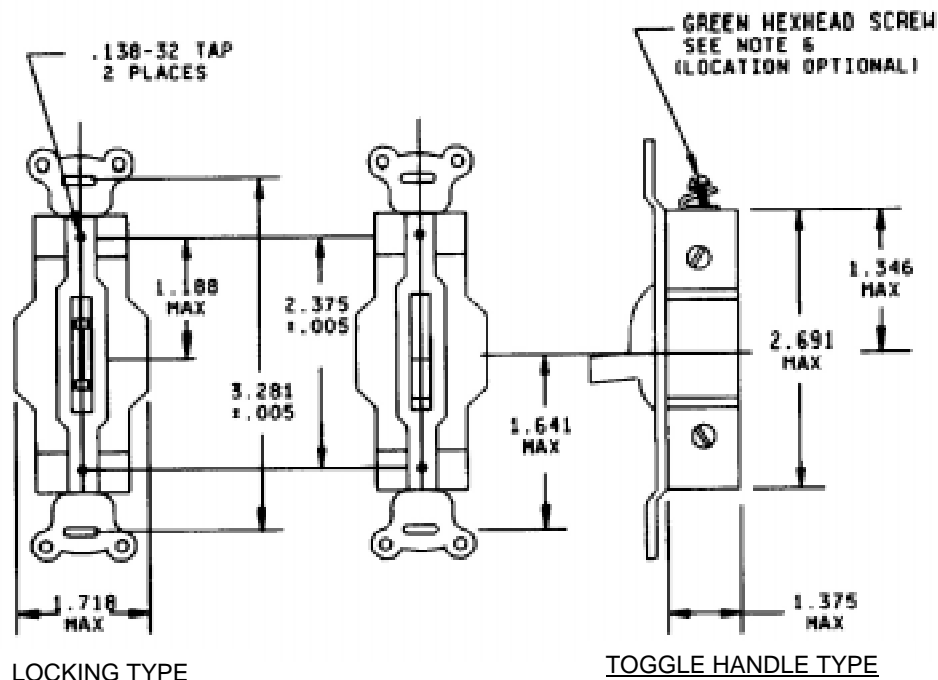
W-S-896/2D

2 June 1993

FEDERAL SPECIFICATION SHEET**SWITCHES, TOGGLE AND LOCK, FLUSH MOUNTED (AC)
(DETAIL SPECIFICATION)**

This specification is approved for use by all Departments and Agencies of the Department of Defense.

The requirements for acquiring the switches described herein shall consist of this specification and W-S-896.



Inches	mm
.005	0.13
.138	3.51
.406	10.31
.925	23.50
1.188	30.18
1.346	34.19
1.375	34.93
1.641	41.68
1.718	43.64
2.375	60.33
2.691	68.35
3.281	83.34

NOTES:

1. Dimensions are in inches. Metric equivalents are given for general information only.
2. The switch handle shall be of size to fit a wall plate cutout of .406 wide x .925 minimum high.
3. Keys shall be furnished with each locking type switch.
4. Exact shape of switch optional provided that envelope dimensions are not exceeded.
5. Green hex-head screw is for ground wire and is supplied only when specified by Part or Identifying Number (PIN).

FIGURE 1. Switch, toggle and lock.**REQUIREMENTS:**

AMSC N/A

1 of 3

FSC 5930

DISTRIBUTION STATEMENT A. Approved for public release; distribution is unlimited.

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Design and construction: See figure 1.

Electrical ratings: See table I.

Government Part of Identifying Number (PIN): WS896/2-(dash numbers from table I).

Examples:

WS896/2-01A-G: 120/277 volts, 30 amperes, single pole, brown handle, grounding terminal required.

WS896/2-15F: 120 volts, 30 amperes, single pole, illuminated ivory locator light handle, no grounding terminal.

TABLE I. Dash numbers and switch characteristics.

Dash number 1/ 2/	Available options for unlighted switches	Poles/way	Current rating - ac only 3/	
			120 volts Amperes	277 volts Amperes
01	A, B, C, D, E, G	Single pole	30	30
02	A, B, C, D, E, G	Single pole	20	20
03	A, B, C, D, E, G	Single pole	15	15
04	A, B, C, D, E, G	Double pole	30	30
05	A, B, C, D, E, G	Double pole	20	20
06	A, B, C, D, E, G	Double pole	15	15
07	A, B, C, D, E, G	Three way	30	30
08	A, B, C, D, E, G	Three way	20	20
09	A, B, C, D, E, G	Three way	15	15
10	A, B, C, D, E, G	Four way	30	30
11	A, B, C, D, E, G	Four way	20	20
12	A, B, C, D, E, G	Four way	15	15
Dash number 1/ 2/	Available options for lighted switches	Poles/way	Current rating - ac only 3/	
			120 volts Amperes	208-277 volts Amperes
15	F, H, J, K, L, M, N, P, Q, R, S, T	Single pole	30	
16	F, H, J, K, L, M, N, P, Q, R, S, T	Single pole		30
17	F, H, J, K, L, M, N, P, Q, R, S, T	Single pole	20	
18	F, H, J, K, L, M, N, P, Q, R, S, T	Single pole		20
19	F, H, J, K, L, M, N, P, Q, R, S, T	Single pole	15	
20	F, H, J, K, L, M, N, P, Q, R, S, T	Single pole		15
21	F, H, J, K, L, M, N, P, Q, R, S, T	Double pole	30	
22	F, H, J, K, L, M, N, P, Q, R, S, T	Double pole		30
23	F, H, J, K, L, M, N, P, Q, R, S, T	Double pole	20	
24	F, H, J, K, L, M, N, P, Q, R, S, T	Double pole		20
25	F, H, J, K, L, M, N, P, Q, R, S, T	Double pole	15	
26	F, H, J, K, L, M, N, P, Q, R, S, T	Double pole		15

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Dash number <u>1/ 2/</u>	Available options for lighted switches	Poles/way	Current rating - ac only <u>3/</u>	
			120 volts Amperes	208-277 volts Amperes
27	F, H, J, K, L, M, N, P, Q, R, S, T	Three pole	30	
28	F, H, J, K, L, M, N, P, Q, R, S, T	Three pole		30
29	F, H, J, K, L, M, N, P, Q, R, S, T	Three pole	20	
30	F, H, J, K, L, M, N, P, Q, R, S, T	Three pole		20
31	F, H, J, K, L, M, N, P, Q, R, S, T	Three pole	15	
32	F, H, J, K, L, M, N, P, Q, R, S, T	Three pole		15
33	F, H, J, K, L, M, N, P, Q, R, S, T	Four pole	30	
34	F, H, J, K, L, M, N, P, Q, R, S, T	Four pole		30
35	F, H, J, K, L, M, N, P, Q, R, S, T	Four pole	20	
36	F, H, J, K, L, M, N, P, Q, R, S, T	Four pole		20
37	F, H, J, K, L, M, N, P, Q, R, S, T	Four pole	15	
38	F, H, J, K, L, M, N, P, Q, R, S, T	Four pole		15

1/ The complete dash number will include an additional letter to indicate the applicable design of the actuating member. Add a "-G" suffix if a grounding terminal is required. Letters used to denote actuating member design are as follows:

- A - Brown handle
- B - Ivory handle
- C - Locking, key operated with brown key guide
- D - Locking, key operated with ivory key guide
- E - Locking, key operated with simulated stainless steel key guide
- F - illuminated ivory locator light
- G - Locking, key operated with black key guide
- H - illuminated white locator light
- J - illuminated clear locator light
- K - illuminated red locator light
- L - illuminated orange locator light
- M - illuminated amber locator light
- N - illuminated ivory locator light
- P - illuminated white pilot light
- Q - illuminated clear pilot light
- R - illuminated red pilot light
- S - illuminated orange pilot light
- T - illuminated amber pilot light

Locator light indicates a light that is operating when circuit is open. Pilot light indicates a light which operating when the circuits closed. Colors specified are in accordance with NEMA Standard WD-1 using Munsell notation.

2/ WS896/2-13 and WS896/2-14 have been canceled. Replace with WS896/2-03 and WS896/2-09 respectively.

3/ A switch having a higher current rating and qualified may be supplied in substitution for the switch of the specified current rating. A qualified switch rated at 120-277 volts may be supplied in substitution for a switch specified with a rating of 120 volts or 208-277 volts; however, all switches with illuminated handles must have lamps that illuminate at the specified operating voltage.

Custodians:
Army - CR
Navy - YD
Air Force - 11
DLA - CC

Preparing activity:
DLA - CC

(Project 5930-1728-01)