## 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.


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.

## W-S-896/2F

## REQUIREMENTS:

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 <br> 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 |
| 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 |

W-S-896/2F

| Dash number$1 / 2 /$ | Available options for lighted switches | Poles/way | Current rating - ac only 3/ |  |
| :---: | :---: | :---: | :---: | :---: |
|  |  |  | 120 volts Amperes | $\begin{gathered} 208-277 \text { volts } \\ \text { Amperes } \\ \hline \end{gathered}$ |
| 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 WS896/209 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.

The margins of this specification are marked with vertical lines to indicate where modifications from this revision were made. This was done as a convenience only and the Government assumes no liability whatsoever for any inaccuracies in these notations. Bidders and contractors are cautioned to evaluate the requirements of this document based on the entire content irrespective of the marginal notations.

Reference Documents:
W-S-896
NEMA WD-1

| Custodians: | Preparing activity: |
| :--- | :---: |
| Army - CR | DLA - CC |
| Navy - YD |  |
| Air Force -85 | (Project 5930-2013-011) |
| DLA - CC |  |

NOTE: The activities listed above were interested in this document as of the date of this document. Since organizations and responsibilities can change, you should verify the currency of the information above using the ASSIST Online database at https://assist.dla.mil/

