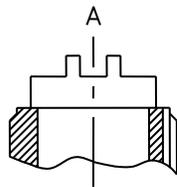
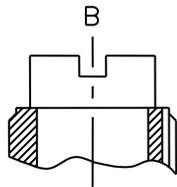


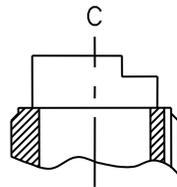
KEYWAY SIDE
→



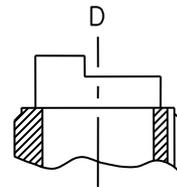
LOCKED IN
THREE
POSITIONS



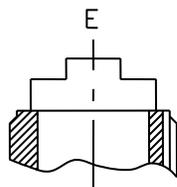
LOCKED IN
CENTER
POSITION



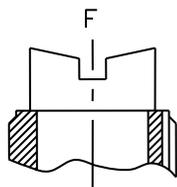
LOCKED IN
KEYWAY
SIDE



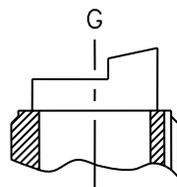
LOCKED OUT OF
SIDE OPPOSITE
KEYWAY



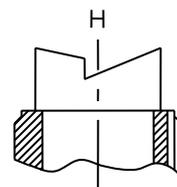
LOCKED OUT
OF CENTER
POSITION



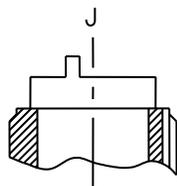
LOCKED IN
CENTER POSITION
MOMENTARY
EITHER SIDE



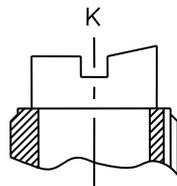
LOCKED OUT OF
KEYWAY SIDE
MOMENTARY
KEYWAY SIDE



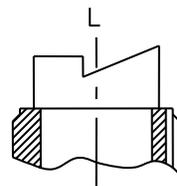
LOCKED OUT OF
SIDE OPPOSITE
KEYWAY
MOMENTARY
EITHER SIDE



LOCKED OUT
OF AND INTO
SIDE OPPOSITE
KEYWAY



LOCKED IN
CENTER POSITION
MOMENTARY
KEYWAY SIDE



LOCKED OUT OF
SIDE OPPOSITE
KEYWAY
MOMENTARY
KEYWAY SIDE

FIGURES A THROUGH L ILLUSTRATE THE LOCKING AND MOMENTARY CONFIGURATION AND NOT THE DETAIL CONSTRUCTION OF THE LOCKING DESIGN

FIGURE 1. Dimensions and configuration - Continued.

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Inches	mm	Inches	mm	Inches	mm
.002	0.05	.030	0.76	.364	9.25
.003	0.08	.032	0.81	.430	10.92
.005	0.13	.045	1.14	.432	10.97
.010	0.25	.047	1.19	.438	11.13
.012	0.30	.052	1.32	.469	11.91
.016	0.41	.072	1.83	.480	12.19
.024	0.61	.169	4.29	.572	14.53
.025	0.64	.338	8.59	.706	17.93
				.983	24.97

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for general information only.
3. Unless otherwise specified, tolerances are ± 0.010 (0.25 mm) on decimals and $\pm 0.5^\circ$ on angles.

FIGURE 1. Dimensions and configuration - Continued.

REQUIREMENTS:

For hardware detail specifications, see appendix of MIL-DTL-8834.

In the event of a conflict between the text of this specification and the references cited herein, the text of this specification shall take precedence.

Shock: Method I and method II (high impact). The switch shall be electrically and mechanically operative at the conclusion of the shock test except there can be mechanical transfer of the contact mechanism at all levels when tested in accordance with method II (high impact).

Toggle seal test: Method II.

Part or Identifying Number (PIN) shall consist of MS number, locking combination letter and dash number.

Strength of terminals: 5 pounds normal to the mounting plane and 2 pounds in other planes.

Altitude: 50,000 feet.

115 V ac, 60 hertz electrical endurance tests are to performed at room temperature and pressure.

Maximum weight: .0593 pound (26.9 grams).

Unlocking force: 4 ± 1 pound.

Configuration of switch case housing, terminals, and barriers: Design optional providing maximum dimensions specified are not exceeded.

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Example PIN:

MS21026-B211: Toggle sealed, on-off-on, locked in center position.

MS21026-K281: Toggle sealed, none-off-momentary on, locked in center position.

TABLE I. Detail requirements.

MS dash no	Locking comb	Circuit made between terminals as indicated with the toggle lever in these positions: <u>1/</u>			Current capacity in amperes						Life low current level switching 5 mV			
					Resistive load			Inductive load						
					Opposite keyway side <u>4/</u>	Center position	Keyway side <u>4/</u>	28 volts dc	115 volts			28 volts dc	115 volts	
									60 Hertz ac	400 Hertz ac			60 Hertz ac	400 Hertz ac
-211	A, B, C, D, E	on 2-3	off	on 1-2	5	2	3	1	1	2	25 μ A <u>3/</u>			
-221	C, E		none	off										
-231			on 1-2											
-241	J, B		off	none										
-271	F, H	mom-on 2-3	off	mom-on 1-2			<u>2/</u>							
-281	K	none												
-311	G, K, L	on 2-3												

1/ Direction of movement of internal mechanism is opposite to the direction of the toggle movement.

2/ With time constant of .020 \pm .002 seconds.

3/ Contact resistance not to exceed 50 ohms during life, low current level switching.

4/ Non-functional terminals shall not be supplied.

Referenced documents:
MIL-DTL-8834

Changes from previous issue. The margins of this specification are marked with vertical lines to indicate where modifications from this amendment 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.

Custodians:
Army - CR
Navy - AS
Air Force - 85
DLA - CC

Preparing activity:
DLA - CC

(Project 5930-2014-012)

Review activities:
Army - AR, MI
Navy - EC
Air Force - 99

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/>