

MILITARY SPECIFICATION SHEET

SWITCH, TOGGLE, ONE POLE, UNSEALED

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

The requirements for acquiring the product described herein shall consist of this specification sheet and the issue of the following specification listed in that issue of the Department of Defense Index of Specifications and Standards (DODISS) specified in the solicitation: MIL-S-83731.

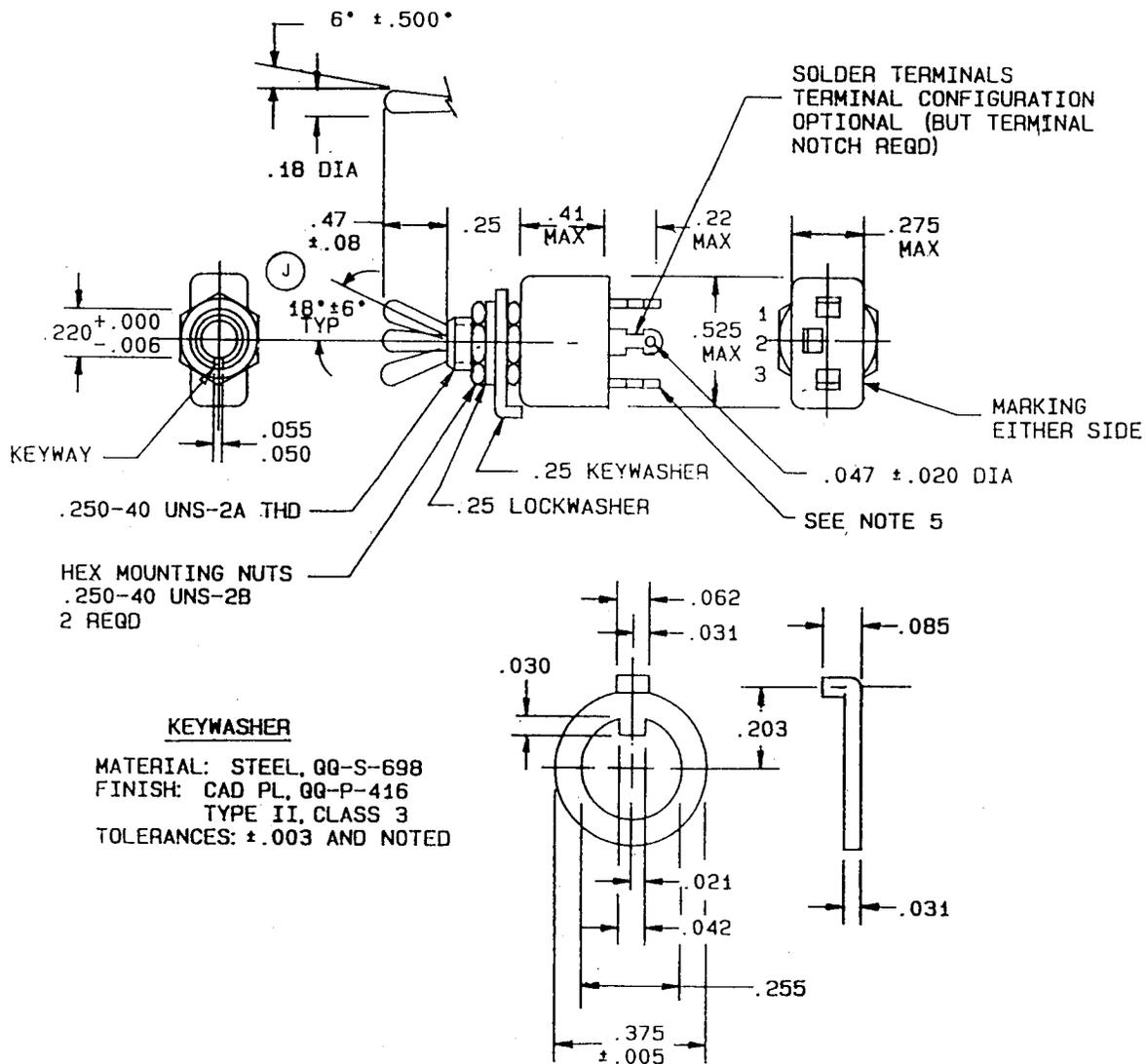


FIGURE 1. Dimensions and configurations.

(J) denotes changes

Inches	mm	Inches	mm
.003	.08	.085	2.0
.005	.13	.18	4.6
.006	.15	.203	5.16
.020	.51	.220	5.59
.021	.53	.25	6.35
.030	.76	.255	6.48
.031	.79	.275	6.99
.042	1.07	.375	9.53
.047	1.19	.41	10.4
.050	1.27	.47	11.9
.055	1.40	.525	13.4
.062	1.57		
.08	2.0		

## NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for general information only.
3. Unless otherwise specified, tolerances are  $\pm .020$  on two place decimals and  $\pm .005$  on three place decimals.
4. For hardware detail specifications, see appendix, MIL-S-83731, and herein.
5. Terminal 3 is not supplied on SPST switch (MS75028-22).

FIGURE 1. Dimensions and configurations - Continued.

MS75028J

REQUIREMENTS:

Dimensions and configuration: See figure 1.

Switching characteristics: See table I.

TABLE I. Switching characteristics.

MS Part or Identifying Number (PIN)	Circuit with toggle lever in		
	Down position (keying side)	Center position	Up position (opposite keying)
MS75028-21	ON	OFF	ON
MS75028-22	OFF	NONE	ON
MS75028-23	ON	NONE	ON
MS75028-26	MOM ON	NONE	ON
MS75028-27	MOM ON	OFF	MOM ON
MS75028-31	MOM ON	OFF	ON

Switches, as specified herein, are designed so that the movement of the switch mechanism is opposite the toggle lever, with the exception if -22 and -23 in which the toggle movement is the same as the switch mechanism.

Weight: .015 pound max.

Electrical ratings:

At 30.0 V dc:

Resistive load: 5.0 amperes.

Inductive load: 2.0 amperes.

Lamp load: 1.0 ampere.

At 115.0 V ac, 400 Hz:

Resistive load: 5.0 amperes.

Inductive load: 2.0 amperes.

Lamp load: 1.0 ampere.

Strength of pivot and lever stop: 12 pounds minimum for lever and 7.2 pounds minimum for pivot.

Sand and dust: Toggle boot shall be used in meeting sand and dust test.

Marking: Marking, including terminal marking, may be on either side of the switch.

MS75028J

CONCLUDING MATERIAL

Custodians:

Army - ER  
Navy - EC  
Air Force - 85

Review activity:

Army - AV  
Navy - AS  
Air Force - 99  
DLA - ES

Preparing activity:

Air Force - 85

Agent:

DLA - ES

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