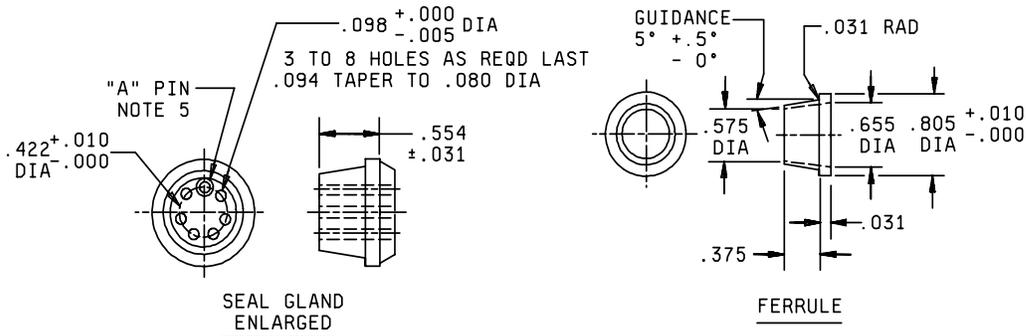
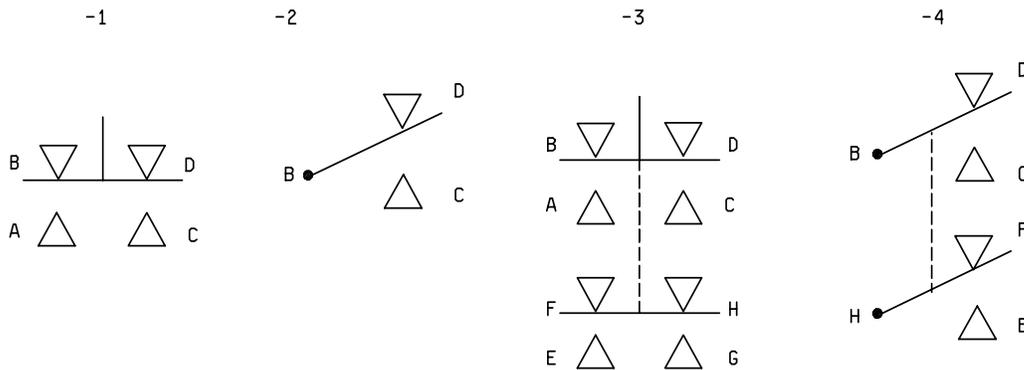


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CONTACT ARRANGEMENT:



Inches	mm	Inches	mm	Inches	mm	Inches	mm
.005	0.13	.193	4.90	.655	16.64	1.218	30.94
.010	0.25	.250	6.35	.734	18.64	1.250	31.75
.015	0.38	.375	9.53	.805	20.45	1.450	36.83
.031	0.79	.422	10.72	.843	21.41	1.563	39.70
.047	1.19	.554	14.07	.875	22.23	1.875	47.63
.080	2.03	.562	14.27	.937	23.80	2.500	63.50
.094	2.39	.575	14.61	1.031	26.19	3.094	78.59
.098	2.49	.625	15.88	1.125	28.58		

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for general information only.
3. Unless otherwise specified, tolerance is $\pm .015$ (0.38 mm), except $\pm .005$ (.127 mm) for ferrule and seal gland.
4. The "A" pin shall be permanently indicated with a circle.
5. One hole on small end of gland shall be permanently marked with a circle, to be mounted on "A" pin.
6. The circuit and the terminal arrangement shall be marked on the switch case.
7. The dimensions of the electrical conduit coupling nut shall be in accordance with AN3054-8 or equivalent. Alternative base metals and protective finishes, as approved by the qualifying activity, may be used.

FIGURE 1. Dimensions and configuration - Continued

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REQUIREMENTS:

Dimensions and configuration: See figure 1.

Enclosure design: 3 (watertight).

Temperature characteristic: 2 (-65° to +125°C).

Shock type: 50 g's, sawtooth, in accordance with method 213, test condition G, MIL-STD-202.

Sinusoidal vibration grade: 1 (10 to 500 Hz).

Material:

Ferrule: Deep drawn steel gauge number 22 (.031 inch), plated to resist corrosion.

Seal gland: Silicon rubber or equivalent.

Weight: 8.25 ounce maximum.

Operating characteristics:

Actuating force: 4.0 +2, -0 pounds.

Pretravel: .100 ±.031 inch.

Overtravel: .281 inch minimum.

Movement differential: .062 +.025, -.000 inch.

Full overtravel force: 11 ±3 pounds.

Coincidence of operating and releasing points: In switches having more than one moving contact, the moving contacts shall open and close together within .010 inch of actuator travel as measured at the roller axis.

Contact resistance: Not applicable.

Mechanical endurance: 200,000 cycles.

Electrical endurance: 100,000 cycles.

Electrical ratings: See table I.

TABLE I. Electrical ratings.

Load	Sea level	
	28 V dc	115 V ac, 400 Hz
	amperes	amperes
Resistive	15	10
Inductive	10	10
Lamp	5	6

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Qualification:

Group submission: See table II.

Conformance:

Group B inspection: Not applicable.

Part or Identifying Number (PIN): See table III.

TABLE II. Qualification inspection - group submission. 1/

Examination or test	Basic switch	Other switch samples	Extent of approval
Qualification inspection table of MIL-PRF-8805, groups I, II, III, V, VI, VII, and VIII	MS25314-3	MS25314-1, -2, and -4: Two sample units each, visual and mechanical examination	ALL

TABLE III. Part or Identifying Number (PIN). 1/

PIN	Contact arrangement
MS25314-1	2 circuit
MS25314-2	SPDT
MS25314-3	4 circuit
MS25314-4	DPDT

1/ Military Standard Drawing MS25314 is canceled and superceded by MIL-S-8805/51.

Referenced documents. In addition to MIL-PRF-8805, this document references the following:

MIL-STD-202
AN3054

Marginal notations are not used in this revision to identify changes with respect to the previous issue due to the extent of the changes.

Custodians:

Army – CR
Navy – EC
Air Force – 11
DLA – CC

Preparing activity
DLA – CC
(Project 5930-2006-021)

Review activities

Army – AR, GL, MI
Navy – AS, MC, OS, SH
Air Force – 19, 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 <http://assist.daps.dla.mil/>