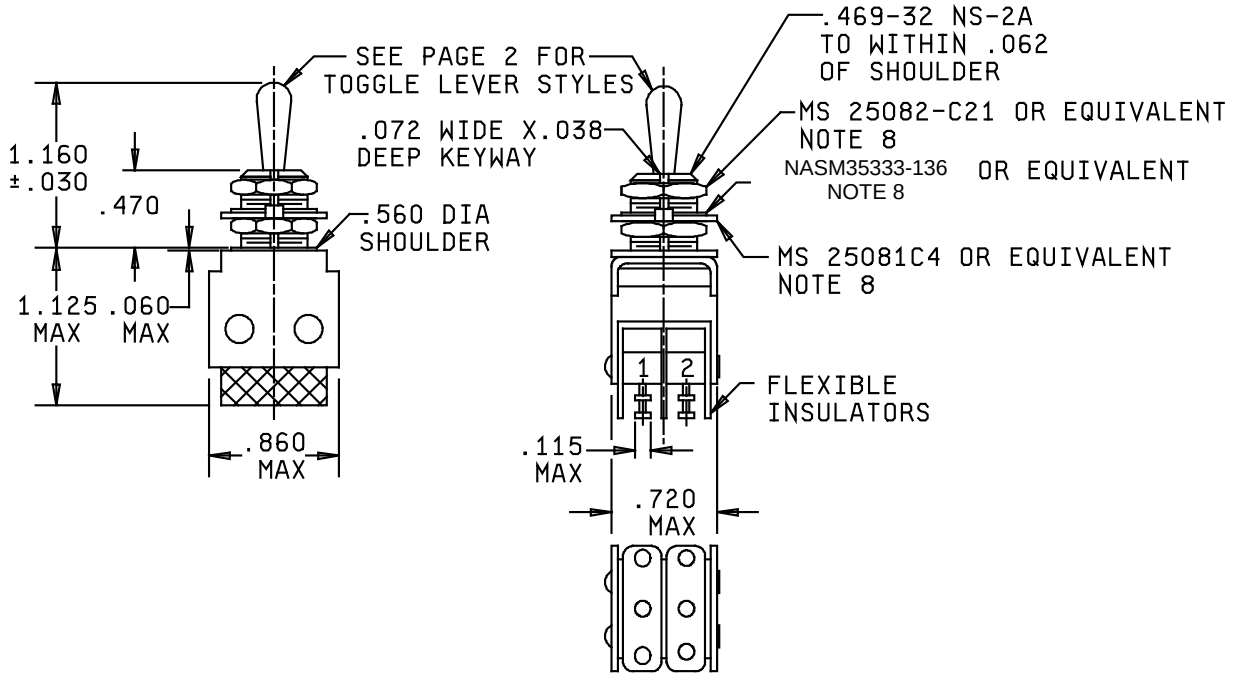
INCH-POUND
MIL-PRF-8805/26J
6 December 2012
SUPERSEDING
MIL-PRF-8805/26H
1 May 2006

PERFORMANCE SPECIFICATION SHEET

SWITCHES, ASSEMBLIES, SENSITIVE, TOGGLE LEVER (WITH INTEGRAL LEAF), 5 AMPERES, UNSEALED

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

The complete requirements for acquiring the switch described herein shall consist of this specification and the latest issue of MIL-PRF-8805.



CONFIGURATION 1

FIGURE 1 Dimensions and configurations.

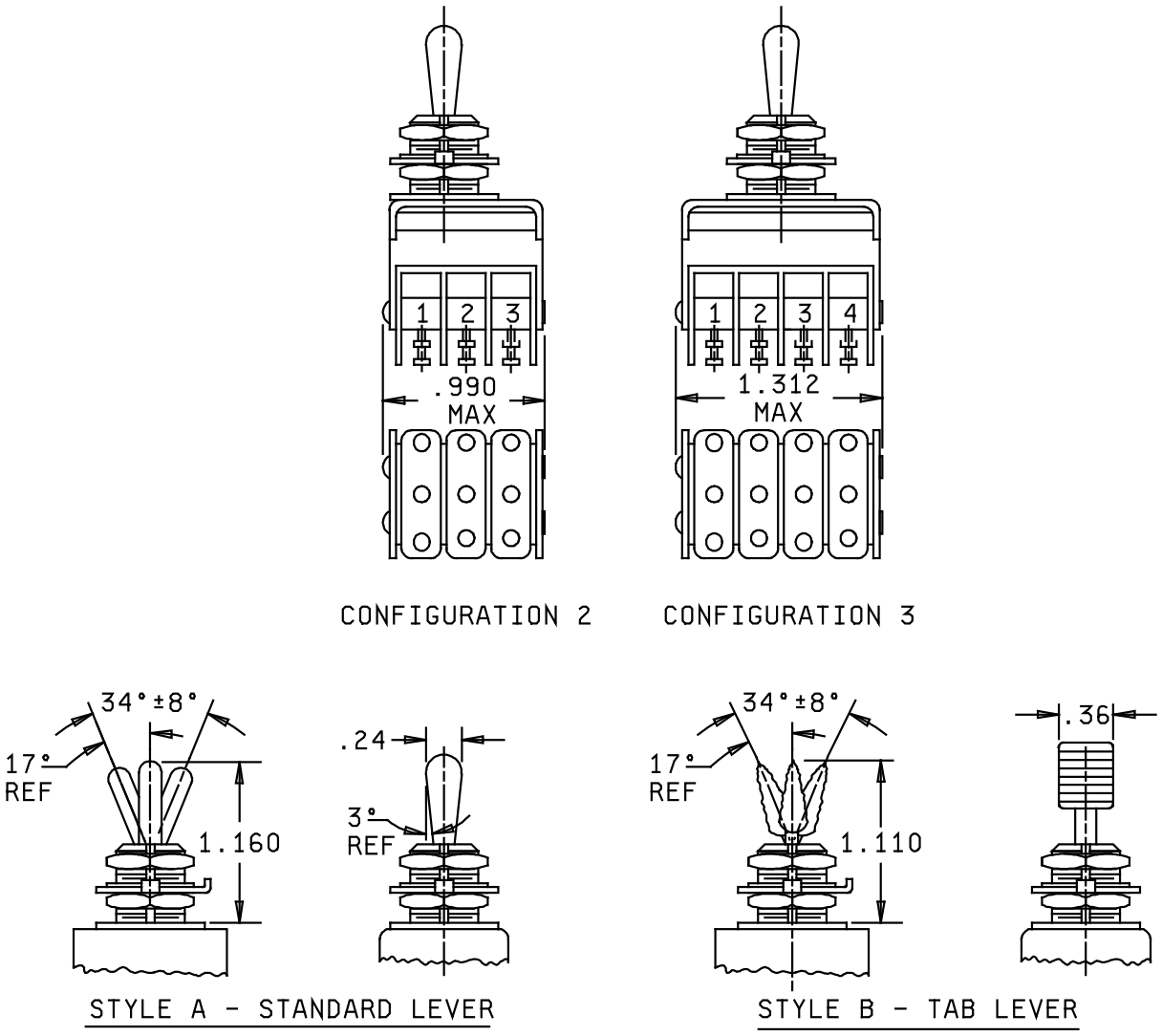


FIGURE 1. Dimensions and configurations -Continued.

Inches	mm	Inches	mm	Inches	mm
.030	.76	.24	6.10	.860	21.84
.038	.97	.36	9.14	.990	25.15
.060	1.52	.469	11.91	1.110	28.19
.062	1.57	.470	11.94	1.125	28.58
.072	1.82	.560	14.22	1.160	29.46
.115	2.92	.720	18.29	1.312	33.32

NOTES:
1. Dimensions are in inches.
2. Metric equivalents are given for general information only and are based upon 1.00 inch = 25.4 mm.
3. Unless otherwise stated, tolerance is ±.015 (0.38 mm).
4. Design configuration optional provided maximum dimensions are not exceeded.
5. Base switch number shall be permanently marked as shown.
6. Double turret type terminals shall accept two AN-20 wires.
7 Terminals shall be identified as “C”, “NC”, and “N0”.
8. Alternative base metals and protective finishes, as approved by the qualifying activity, may be utilized for hexagon nut, lock washer and key washer material. Dimensions shall be in accordance with the referenced hardware specifications.

FIGURE 1. Dimensions and configurations -Continued.

REQUIREMENTS:

Dimensions and configurations: See figure 1.

Enclosure design: 1 (Unsealed).

Temperature characteristic: 1 (-55° to +85°C).

Shock type: M (100G, test condition I, method 213 of MIL-STD-202).

Vibration grade: 1 (10 to 500 Hz).

Weight: See table III.

Operating characteristics:
Coincidence of operating and releasing points: All poles shall transfer within 10° of lever travel.

Material:
Bracket and lever: Corrosion resistant steel.

Switch assembly: Basic switch shall be MS25085-2 (MIL-PRF-8805/2) switch listed on QPL-8805.

Contact resistance: Not applicable.

Dielectric withstanding voltage:
Sea level: 1,000 Vrms.
Altitude: 50,000 feet – 400 Vrms.
In qualification inspection table after electrical endurance the dielectric withstanding voltage points of application between all unconnected terminals of the same pole is not applicable.

Mechanical endurance: 100,000 cycles.

Electrical endurance: 25,000 cycles.

Electrical ratings: See table I.

Qualification inspection (group submission): See table II.

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

Circuit configuration: See table IV.

TABLE I. Electrical ratings.

Load	Sea level		50,000 feet
	28 Vdc	115 Vac	28 Vdc
	(amperes)	(amperes)	(amperes)
Resistive	5	5	5
Inductive	3	5	2.5
Lamp	2.4	1.5	2.4

TABLE II. Qualification inspection (group submission).

Examination or test	Basic switch assembly	Additional sample units for combined submission	Extent of approval
Group I Visual and mechanical examination Operating characteristics	M8805/26-002 (12 sample units)	(2 sample units each) M8805/26-003 M8805/26-012 (tested to group I only)	All
Group II Strength of actuating means 1/ Strength of mounting bushing 1/ Thermal shock Vibration Shock Operating characteristics Dielectric withstanding voltage Visual and mechanical examination	(4 sample units from group I)	_____	
Group III Salt spray (corrosion) Visual and mechanical examination	(2 sample units from group I)	_____	
Group IV Low temperature operation (2 sample units only) Mechanical endurance at low temperature (2 units) 2/ Mechanical endurance at high temperature (2 units) Operating characteristics Dielectric withstanding voltage Visual and mechanical examination	(4 sample units from group I)	_____	
Group V Electrical endurance Inductive load, dc	(2 sample units from group I)	_____	

1/ Two sample units only.
2/ Same sample units as for low temperature operation.

TABLE III. PIN's and characteristics.

PIN	Configuration number	Lever style	Table IV circuit configuration	Switch action			Weight lb. max
				Opposite keyway	Center	Keyway	
M8805/26-001	1	A	1	Main	None	Main	.075
M8805/26-003		B					.075
M8805/26-002	3	A	4				.100
M8805/26-004		B					.100
M8805/26-005	1	A	2	Mom	Main	Mom	.075
M8805/26-006		B					.075
M8805/26-007		A		Main	Main	Main	.075
M8805/26-008		B					.075
M8805/26-009		A		Mom	Main	Main	.075
M8805/26-010		B					.075
M8805/26-011	2	A	3	Mom	Main	Mom	.090
M8805/26-012		B					.090
M8805/26-013		A		Main	Main	Main	.090
M8805/26-014		B					.090

TABLE IV Circuit configuration.

Circuit configuration	Switch pole number	Circuit closed with toggle lever in		
		Opposite keyway side	Center	Keyway side
1	1	C-NC	None	C-NO
	2	C-NC		C-NO
2	1	C-NO	C-NC	C-NC
	2	C-NC	C-NC	C-NO
3	1	C-NO	C-NC	C-NC
	2	C-NC	C-NC	C-NO
	3	C-NO	C-NC	C-NC
4	1	C-NC	None	C-NO
	2	C-NC		C-NO
	3	C-NC		C-NO
	4	C-NC		C-NO

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

MIL-PRF-8805/2
NASM35333
MIL-STD-202
QPL-8805

Changes from previous issue. 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.

Custodians:
Army - CR
Navy - EC
Air Force – 85
DLA - CC

Preparing activity:
DLA - CC

(Project 5930-2011-134)

Review activities:
Army – AR, AV, MI
Navy - AS, MC
Air Force - 19

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/