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IN REPLY  
REFER TO

DSCC-VAT

1 July 2004

MEMORANDUM FOR MILITARY/INDUSTRY DISTRIBUTION

SUBJECT: Initial Draft of MIL-PRF-8805 /11J, /14F, /15G, /17G, /18G, /19F, /23G, /25F, /34E, /38G, /40H, /47G, /48H, /49H, /65D, /76H, /84E, /90F, /96E, /100F, /101K, /104C, /107C, /110D, and /114C.  
Project numbers 5930-1838 through -1863.

The drafts of the above subject documents are being sent to you for review and comments. These drafts consist of the following changes:

Updating of referenced documents.  
Incorporation of amendments.

If these documents are of interest to you, please provide your comments electronically. This can be in the form of a return e-mail, with or without an attached text file. A 45-day coordination cycle from the date of this letter has been allotted. Please provide your comments within that time period. If no comments are received in the allotted 45 day coordination cycle, concurrence is assumed and all comments received after will be held to the first amendment. If an electronic response is not possible we will still accept comments via letter, facsimile or phone call but only after you have contacted the project officer listed below. The draft documents can be found at the following DSCC-VA web page:

[www.dsccl.dla.mil/Programs/MilSpec/initialdrafts.asp](http://www.dsccl.dla.mil/Programs/MilSpec/initialdrafts.asp)

This process still requires military departments to identify their comments as "Essential" or "Suggested". Essential comments must be justified with supporting data. Military review activities should forward comments to their custodians or this office, as applicable, in sufficient time to allow for consolidating the department reply.

If there are any questions, please contact Mark Rush by the preferred method of E-Mail at [Mark.Rush@dla.mil](mailto:Mark.Rush@dla.mil) or by telephone at commercial 614-692-0550, DSN 850-0550; or by facsimile at 614-693-1644. Our mailing address as a last resort is Defense Supply Center, Columbus, DSCC-VAT, P.O. Box 3990, Columbus, OH 43216-5000. If you have further questions or concerns you may contact me at [Kendall.Cottongim@dla.mil](mailto:Kendall.Cottongim@dla.mil), by telephone at 614-692-0676 or by facsimile at 614-692-6939.

/ SIGNED /  
KENDALL A. COTTONGIM  
Chief  
Electronics Components Team

NOTE: This draft, dated July 1, 2004 prepared by DLA-CC, has not been approved and is subject to modification. DO NOT USE PRIOR TO APPROVAL. (Project 5930-1839)

INCH-POUND

MIL-PRF-8805/14F  
DRAFT

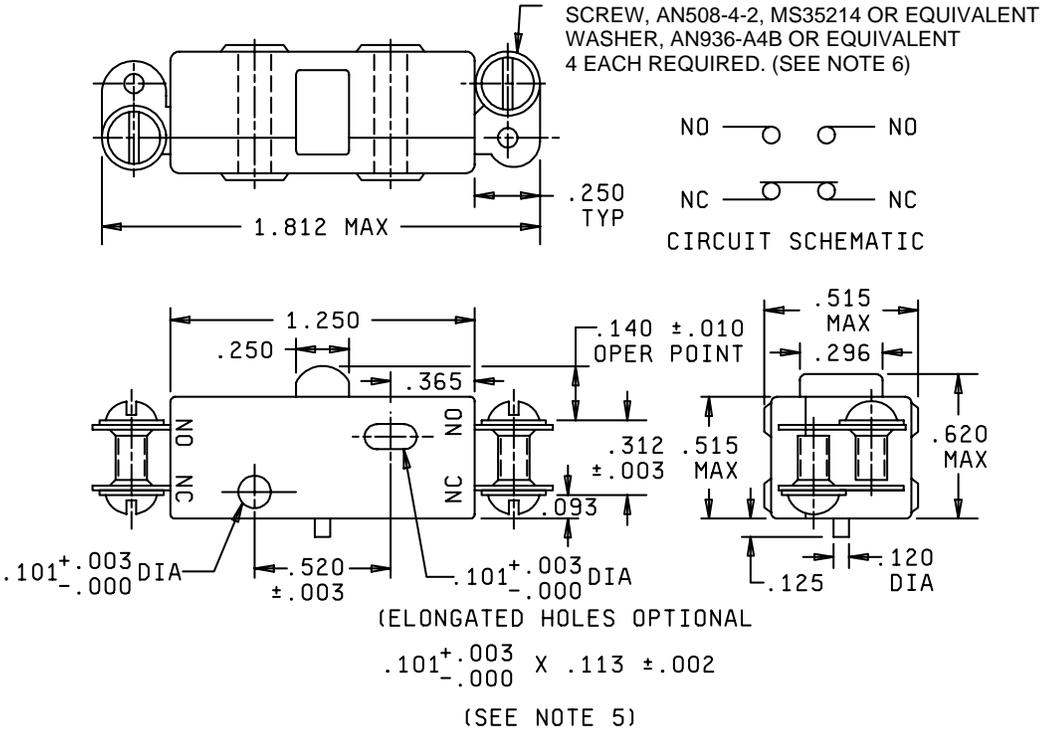
SUPERSEDING  
MIL-PRF-8805/14E  
3 September 1999

PERFORMANCE SPECIFICATION SHEET

SWITCHES, SENSITIVE-MAINTAINED, 2 CIRCUIT, 10 AMPERES, UNSEALED

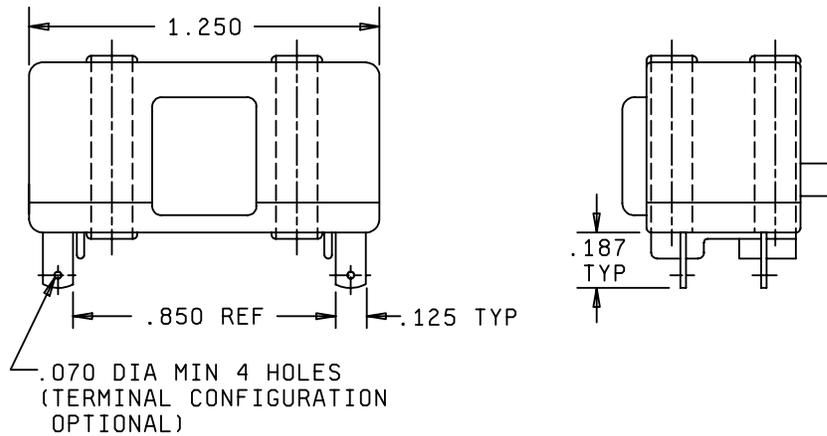
This specification is approved for use by all Departments and Agencies of the Department of Defense.

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

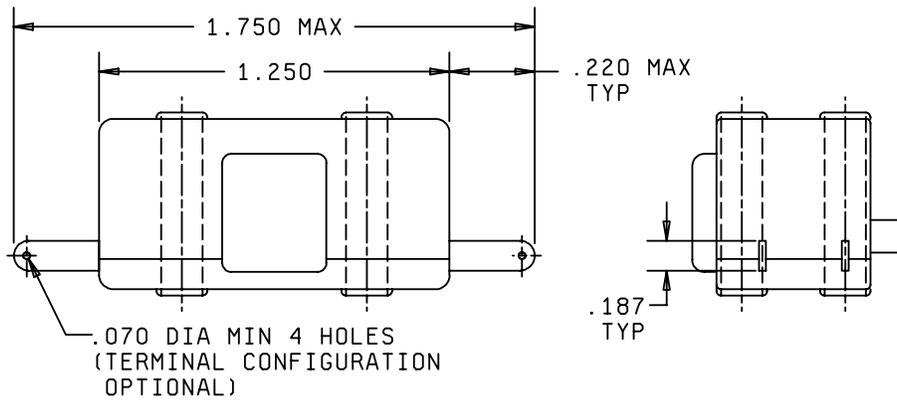


MS25347-I  
FIGURE 1. Dimensions and configurations.

MIL-PRF-8805/14F



MS25346-1



MS25345-1

Inches	mm	Inches	mm	Inches	mm
.003	0.08	.140	3.56	.515	13.08
.010	0.25	.187	4.75	.520	13.21
.070	1.78	.220	5.59	.620	15.75
.093	2.36	.250	6.35	.850	21.59
.101	2.57	.296	7.52	1.250	31.75
.120	3.05	.312	7.92	1.750	44.45
.125	3.18	.365	9.27	1.812	46.02

NOTES:

1. Dimensions are in inches.
2. Unless otherwise stated, tolerance is  $\pm 0.015$  (0.38 mm).
3. Exact shape of switch optional provided dimensions specified are not exceeded.
4. Metric equivalents are given for general information only.
5. Dimensions shown are case mounting holes. Cover mounting holes may exceed these dimensions.
6. Alternative base metals and protective finishes, as approved by the qualifying activity, may be utilized for screw and washer material. Dimensions shall be in accordance with referenced hardware specification.
7. MS25345, MS25346, and MS25347 were superseded by MIL-PRF-8805/14, the MS25345, MS25346, and MS25347 Part Numbers (PINS) were retained.

FIGURE 1. Dimensions and configurations (continued)

MIL-PRF-8805/14F

REQUIREMENTS:

Dimensions and configurations: See figure 1.

Enclosure design: 1 (unsealed).

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

Shock type: Method 213, test condition A, MIL-STD-202 (50 g).

Vibration grade: 1 (10 to 500 Hz)

Weight: .03 pound maximum.

Operating characteristics:

Actuating force ..... .62 pound maximum

Movement differential..... .025 inch maximum.

Pretravel ..... .060 inch maximum.

Overtravel..... .015 inch minimum.

Reset button:

Pretravel .060 inch maximum.

Overtravel .005 inch minimum.

±20 percent variation  
from specified  
values acceptable  
after test.

Strength of push button and push button stop: 25 pounds.

Terminal strength: 5 pounds.

Material: Case, cover, and push button: Push button may be flame retardant glass filled with nylon which is self extinguishing.

Dielectric withstanding voltage:

Sea level: 1,000 V rms. 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: 50,000 cycles.

Electrical ratings: See table I.

Qualification:

Group submission: See table II.

Part Number: See table III.

TABLE I. Electrical ratings.

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

MIL-PRF-8805/14F

TABLE II. Qualification inspection.

Examination or test	Basic switch	Other switch samples	Extent of approval
Qualification inspection table of MIL-PRF-8805, groups I through VIII, inclusive	MS25347-1 (all sample units)	MS25345-1 MS25346-1 (3 sample units) Visual and mechanical examination	All

TABLE III. Part numbers and characteristics.

Part number	Terminal configuration
MS25345-1	End solder terminal
MS25346-1	End solder terminal
MS25347-1	End screw terminal

NOTE: MS25345, MS25346, and MS25347 were superseded by MIL-PRF-8805/14, the MS25345, MS25346, and MS25347 Part Numbers (PINS) were retained.

Referenced Documents:

MIL-PRF-8805  
MS35214

Custodians:

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

Preparing activity:

DLA - CC

(Project 5930-1839)

Review activities:

Air Force - 19, 99  
Army - AR, AV, MI  
Navy - AS, OS, MC, SH

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 [www.dodssp.daps.mil](http://www.dodssp.daps.mil)T.