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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

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 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, 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 5930-1854)

INCH-POUND
MIL-PRF-8805/76H
DRAFT
SUPERSEDING
MIL-PRF-8805/76G
3 September 1999

PERFORMANCE SPECIFICATION SHEET

SWITCHES, SENSITIVE, 2 CIRCUIT (5 AMPERES)
OR SPST (8 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.

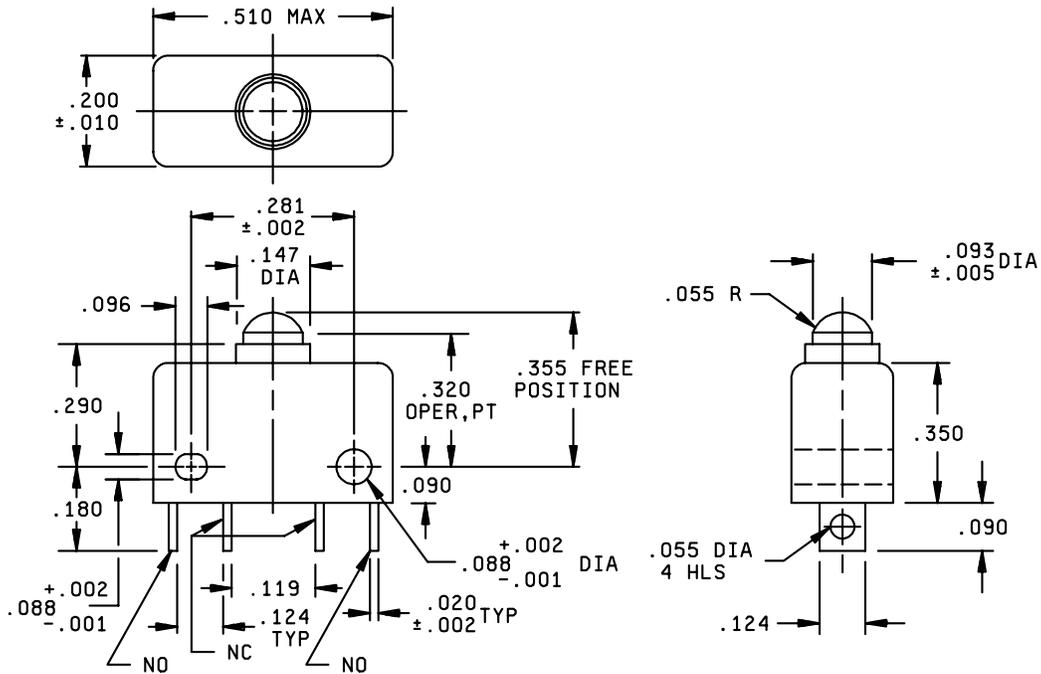
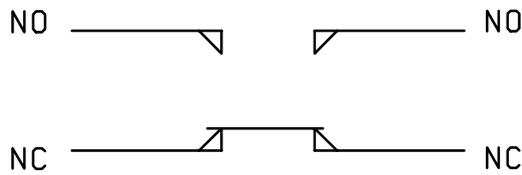
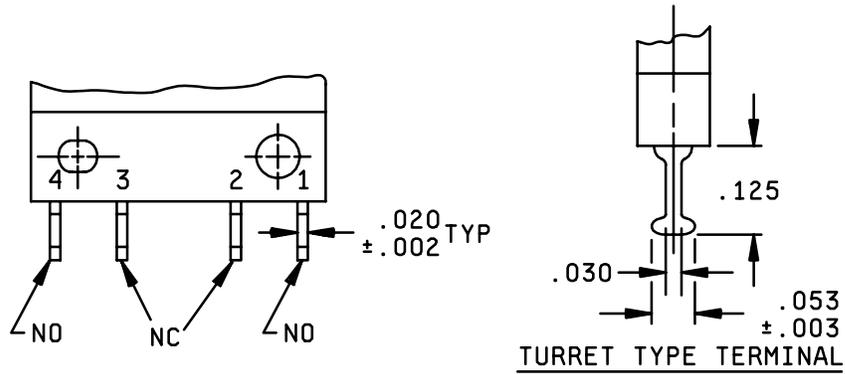


FIGURE 1. Dimensions and configuration.



CIRCUIT SCHEMATIC

2 CIRCUIT

Inches	mm	Inches	mm
.001	0.03	.096	2.44
.002	0.05	.119	3.02
.003	0.08	.124	3.15
.005	0.13	.125	3.18
.010	0.25	.147	3.73
.020	0.51	.200	5.08
.030	0.76	.281	7.14
.053	1.35	.320	8.13
.055	1.40	.350	9.02
.088	2.24	.355	9.03
.090	2.29	.510	12.95
.093	2.36		

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for general information only.
3. Unless otherwise specified, tolerance is ± 0.015 (0.38 mm).

FIGURE 1. Dimensions and configuration - Continued.

MIL-PRF-8805/76H

REQUIREMENTS:

Dimensions and configurations: See figure 1.

Enclosure design: 1 (unsealed).

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

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

Vibration grade: 2 (10 Hz to 2,000 Hz).

Weight: .003 pound maximum.

Operating characteristics:

Free position: .355 inch \pm .015 (see figure 1).

Actuating force: 8 ounces maximum, \pm 20 percent variation from specified values acceptable after test.

Overtravel: .004 inch minimum, \pm 20 percent variation from specified values acceptable after test.

Movement differential: .010 inch minimum, \pm 20 percent variation from specified values acceptable after test.

Operating point: .320 inch \pm .015 inch (see figure 1).

Strength of actuator: 10 pounds.

Terminal strength: 5 pounds, all directions.

Dielectric withstanding voltage:

Sea level: 1,000 V rms initial.

1,000 V rms between all terminals and mounting plate after endurance test.

Altitude: 70,000 feet - 400 V rms.

Mechanical endurance: 100,000 cycles.

Electrical endurance: 50,000 cycles.

Electrical ratings: See table I.

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

MIL-PRF-8805/76H

TABLE I. Electrical ratings.

Load	Sea level, 28 V dc		70,000 feet, 28 V dc	
	SPST (NO or NC) (amperes)	2 circuit (amperes)	SPST (NO or NC) (amperes)	2 circuit (amperes)
Resistive	8	5	8	5
Inductive	5	3	3	2
Motor	5	---	---	---
Lamp	1	---	---	---

TABLE II. PIN and terminal configurations.

PIN	Terminal configuration
MS27257-1 MS27257-2	Spade type Turret type

NOTE: MS27257 was superseded by MIL-PRF-8805/47; the MS27257 Part Numbers (PINS) were retained.

QUALIFICATION:

Group submission: See table III.

TABLE III. Group submission.

PIN	Examination or test	Extent of approval
MS27257-1	Qualification inspection table of MIL-PRF-8850	All
MS27257-2 (2 sample units)	Visual and mechanical examination Terminal strength Dielectric withstanding voltage Operating characteristics	

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

Referenced Documents:

MIL-PRF-8805
MIL-STD-202

Custodians:

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

Preparing activity:

DLA - CC

(Project 5930-1854)

Review activities:

Army - AR, AV, 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 www.dodssp.daps.mil.