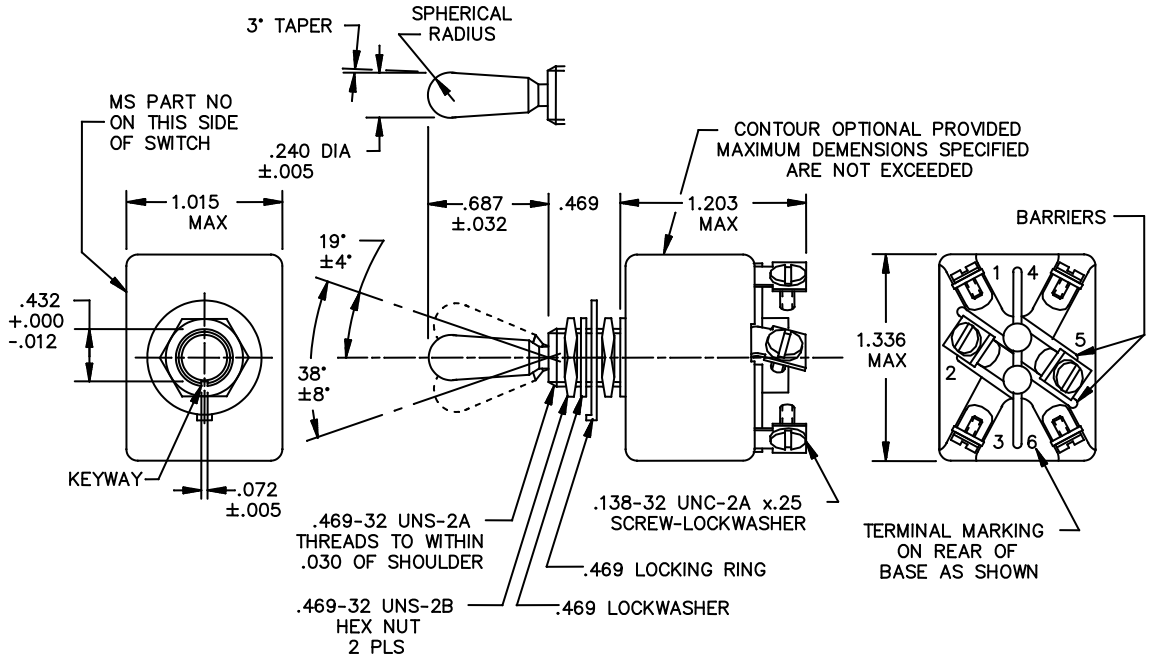
INCH-POUND
MS25307L
5 October 2011
SUPERSEDING
MS25307K
30 September 1986

DETAIL SPECIFICATION SHEET

SWITCH, TOGGLE, POSITIVE BREAK, LEVER LOCK, ENVIRONMENTALLY SEALED, SCREW TERMINAL, DOUBLE POLE, .469 MOUNTING BUSHING, 25 AMPERES

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

The requirements for acquiring the products described herein shall consist of this specification sheet and MIL-DTL-8834.



Inches	mm	Inches	mm
.005	0.13	.250	6.35
.012	0.30	.432	10.97
.030	0.76	.469	11.91
.032	0.81	.687	17.45
.072	1.83	1.015	25.78
.138	3.51	1.203	30.56
.240	6.10	1.336	33.93

NOTES:
1. Dimensions are in inches.
2. Metric equivalents are given for general information only.
3. Unless otherwise specified, tolerances are ±.010 (0.25 mm) on decimals and ±5° on angles.

FIGURE 1. Dimensions and configuration - Continued.

REQUIREMENTS:

For hardware and terminal screw detail specifications, see appendix of MIL-DTL-8834.

In the event of a conflict between the text of this specification and the references cited herein, the text of this specification shall take precedence.

The MS dash numbers supersede and are completely interchangeable with the superseded dash numbers.

Example of Part or Identifying Numbers (PIN):

MS25307-212 = on-off-on environmentally sealed switch.
MS25307-272 = mom-on, off, mom-on environmentally sealed switch

Maximum weight: .0953 pound maximum (43.2 grams).

Altitude requirements: 80,000 feet.

115 V ac 60 hertz electrical endurance tests are to be performed at room temperature and pressure.

TABLE I. Detail requirements.

MS dash no.	Circuit made between terminals as indicated with the toggle lever in these positions			Current capacity amperes per pole 28 volts dc 1/			Current capacity amperes per pole 115 volts 400 hertz 1/			Circuit capacity amperes per pole 115 volts 60 hertz 1/			Life low current level switching 30 mV	Superseded dash number
Environmentally sealed	Opposite keyway side	Center position	Keyway side	Lamp load circuit	Resistive circuit	Inductive circuit	Lamp load circuit	Resistive circuit	Inductive circuit	Lamp load circuit	Resistive circuit	Inductive circuit		Toggle sealed
-212	on 2-3, 5-6	off	on 1-2, 4-5	7	25	15	7	25	15	7	20	15	10 mV	-211
-222		none	off											-221
-232			on 1-2, 4-5											-231
-242		off	none											-241
-262		none	mom-on 1-2, 4-5											-261
-272	mom-on 2-3, 5-6	off												-271
-282	none													-281
-292	on 2-3, 5-6	none	mom-off											-291
-302	off		mom-on 1-2, 4-5											-301
-312	on 2-3, 5-6	off												-311

See footnote at end of table.

TABLE I. Detail requirements - Continued

MS dash no.	Current capacity amperes per pole 250 volts 60 hertz ac 1/			Current capacity amperes per pole 125 volts dc 1/			Circuit capacity amperes per pole 250 volts dc 1/			Life low current level switching 30 mV	Superseded dash number
Environmental sealed	Lamp load circuit	Resistive circuit	Inductive circuit	Lamp load circuit	Resistive circuit	Inductive circuit	Lamp load circuit	Resistive circuit	Inductive circuit		Toggle sealed
-212											-211
-222											-221
-232											-231
-242											-241
-262		10	7		750 mA	---		500 mA	---	10 mA	-261
-272											-271
-282											-281
-292											-291
-302											-301
-312											-311

1/ Application information ratings at room temperature.

Referenced documents:
MIL-DTL-8834

Changes from previous issue. 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 - AS
Air Force - 85
DLA - CC

Review activities:
Army - AV, MI
Navy - EC
Air Force - 99

Preparing activity:
DLA – CC

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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.daps.dla.mil/ .