

Review activities Army - AV
Navy - EC
Air Force - 09
LA - ES

In military standard is approved for use by all Departments and Agencies of the Department of Defense. Selection for all new engineering and design applications of repetitive use shall be made from this document when applicable.

User activity Air Force - 11

P A Price - 00 Order Cust Army ER Navy AS		International Interest	TITLE SWITCH, TOGGLE, FOUR POSITION, ENVIRONMENTALLY SEALED	MILITARY STANDARD MS24525
Form and Specification MIL S-1050		SUPERSEDES		PAGE 1 of 3

35° ± 1° TAPER

.240 DIA

MARKING (EITHER SIDE)

.69 ± .03

.47

15.5° ± 5°

16.5° ± 5°

.076 ± .008 KEYWAY

432 + .000 - .012

.469-32-NS-2A THREAD TO WITHIN .060 OF SHOULDER

HEX NUT .469-32-NS-2B 2 REQD

.47 LOCKWASHER

.47 LOCKING RING

CONTOUR OF SWITCH OPTIONAL—7
PROVIDED MAX DIMENSIONS
SPECIFIED ARE NOT
EXCEEDED

1.370 MAX

1.10

1.340 MAX

38

.130 MIN

.25

130 MIN

138-32 UNC-2A
TERMINAL SCREW
AND LOCKWASHER

1.650 MAX

37

37

37

101

1 101

2 101

3 101

4 101

5 101

6 101

7 101

8 101

9 101

10 101

⑦ Denotes changes

FED JUP CLASS
593

APPROVED 31 Jul 1958 REVISED ① 20 Apr 67 ② 16 Sep 69 ③ 22 Apr 71 ④ 17 May 77 ⑤ 17 Mar 78 ⑥ 28 Sep 87

DD FORM 672

USE OF THIS FORM IS OBSOLETE

931 135-03

INTENTIONAL AT MIN

This military standard is approved for use by all Departments and Agencies of the Department of Defense. Selection for all new engineering and design applications shall be made from this document when applicable.

- 1 Dimensions are inches.
- 2 Metric equivalents are given for general information only.
- 3 Unless otherwise specified, tolerance is ± 0.01 (0.51 mm) for two place
4 decimals and ± 0.005 (0.13 mm) for three place decimals
- 5 For hardware and terminal screw detail specifications, see appendix of MIL-S-3950.
- 6 Thread length and hole depth should be such that screws will not bottom
7 when tightened.
- 8 All switches on this standard are designed so that the movement of the switch
9 mechanism is opposite to that of the toggle lever
- 10 Maximum weight is .20 pound
- 11 In event of a conflict between the text of this standard and the reference
12 cited herein, the text of this standard shall take precedence
- 13 Referenced Government documents of the issue listed in that issue of the
14 Department of Defense Index of Specifications and Standards (DODISS) specified
15 in the solicitation form a part of this standard to the extent specified herein

Inches	mm	Inches	mm
.005	0.13	.25	6.4
.008	0.20	.37	9.4
.012	0.30	.38	9.7
.02	0.5	.432	10.97
.03	0.8	.469	11.91
.060	1.52	.47	11.9
.076	1.93	.69	17.5
.130	3.30	1.10	27.9
.138	3.51	1.340	34.04
.240	6.10	1.370	34.80
		1.660	42.16

APPROVED

P -	International Interest	TITLE WINTER GOLF TO GO EASTERN HORIZONTAL SCALE	MILITARY STANDARD
Other Cost App - to			MS24575
F - L L	Cost 9	High	S - R - S P

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Review activities
Army - AV
Navy - EC
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User activity Air Force - 11

FED SUP CLASS
5930

Detail requirements

MS part number	Circuit with toggle lever in			Current capacity (amperes) 28 volts dc			Current capacity (amperes) 115 volts, 60 and 400 hertz ac		
	Keying side	Center	Opposite keying side	Lamp-load circuit	Resistive circuit	Inductive circuit	Lamp-load circuit	Resistive circuit	Inductive circuit
MS24525-21	1-2 7-8 4-5 On 10-11	Off	2-3 8-9 5-6 On 11-12						
MS24525-22	Off	None	2-3 8-9 5-6 On 11-12						
MS24525-23	1-2 7-8 4-5 On 10-11	None	2-3 8-9 5-6 On 11-12	5	20	12	4	15	15
MS24525-24	None	Off	2-3 8-9 5-6 On 11-12						
MS24525-25	None	Mon. off	2-3 8-9 5-6 On 11-12						
MS24525-26	1-2 Mon. 7-8 4-5 on 10-11	None	2-3 8-9 5-6 On 11-12						
MS24525-27	1-2 Mon. 7-8 4-5 on 10-11	Off	2-3 Mon. 8-9 5-6 on 11-12						
MS24525-28	1-2 Mon. 7-8 4-5 on 10-11	Off	None						
MS24525-29	Mon. off	None	2-3 8-9 5-6 On 11-12	4	18	10	2	11	8
MS24525-30	1-2 Mon. 7-8 4-5 on 10-11	None	Off						
MS24525-31	1-2 Mon. 7-8 4-5 on 10-11	Off	2-3 8-9 5-6 On 11-12						
MS24525-32	None	11-2 7-8 10-11 11-5-6 on 11-12	11-2 7-8 12-3 Mon. 8-9						
MS24525-33	None	11-2 7-8 10-11 11-5-6 on 11-12	11-2 7-8 12-3 8-9	5	20	12	4	15	15

PA
Air Force - 85
Other Cyst
Army - ER
Navy - AS

International
interest

TITLE

SWITCH, TOGGLE, FOUR POLE,
ENVIRONMENTALLY SEALED

MILITARY STANDARD

MS24525

Procurement Specification
MIL-S-3950

SUPERSIDES

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DD FORM 672
1 MAY 73

(Coordinate) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

APPROVED 31 Jul 1958

REVISED (1)

For changes see page 2