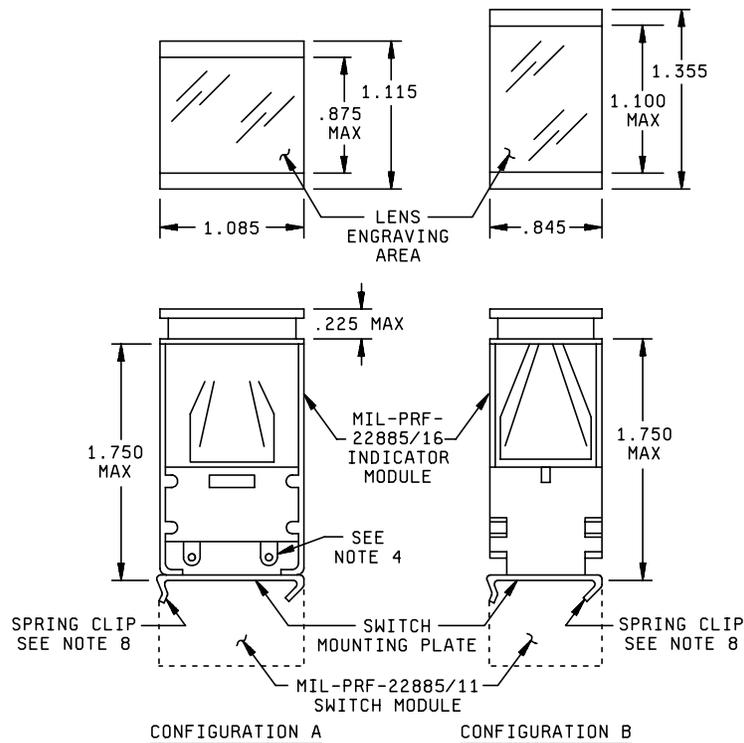


PERFORMANCE SPECIFICATION SHEET

SWITCH, PUSH BUTTON, ILLUMINATED, 4-LAMP, CLIP MOUNTED  
(MODULAR CONSTRUCTED)

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

The requirements for acquiring the indicator lights described herein shall consist of this specification sheet and MIL-PRF-22885.

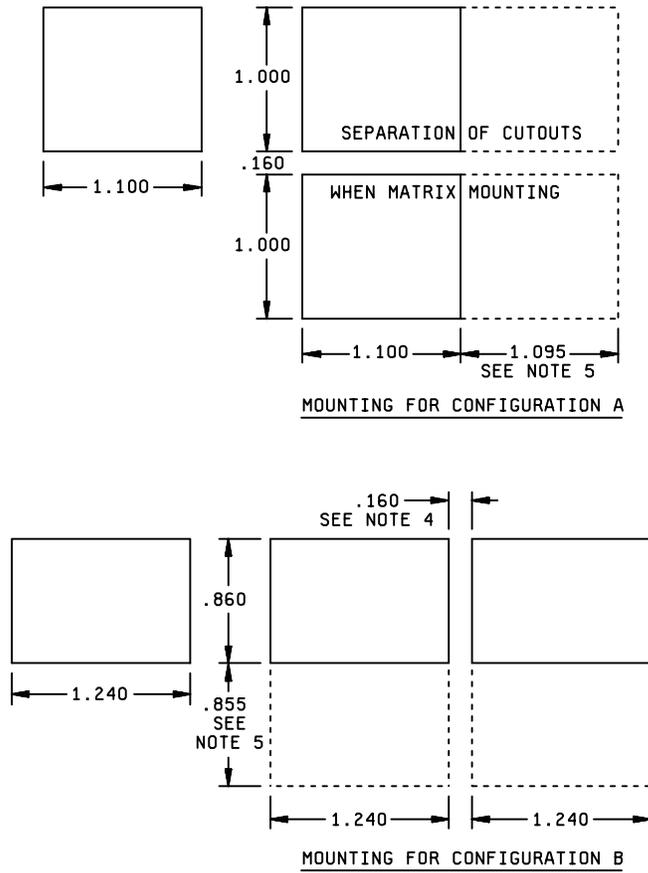


NOTES:

1. Dimensions are in inches.
2. Unless otherwise specified, tolerances are  $\pm .016$  (.41 mm) and  $\pm .02$  (.51 mm).
3. The design configuration is optional within envelope dimensions shown.
4. Terminal design is optional.
5. Metric equivalents (to the nearest .01 mm) are given for general information only.
6. Switch clip design optional - must interface with MIL-PRF-22885/11 switch modules.

FIGURE 1. Switch, push, illuminated, 4-lamp clip mounted (modular constructed).

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Inches	mm
.160	4.06
.855	21.72
.860	21.84
1.000	25.40
1.095	27.81
1.100	27.94
1.240	31.50

NOTES:

1. Dimensions are in inches.
2. Tolerance is + .010 (.25 mm), -.000 (00mm).
3. Metric equivalents (to the nearest .01 mm) are given for general information only.
4. This is the separation of cutout when matrix mounting.
5. Add for each additional unit.

FIGURE 2. Recommended panel cutouts.

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### REQUIREMENTS

Dimensions and configuration: See figures 1 and table II.

Complete switch shall consist of:

- 1 - Modular indicator light (MIL-PRF-22885/16).
- 1 - Switch assembly (MIL-PRF-22885/11).
- 4 - Color filters (MIL-PRF-22885/12), when specified (see table II).
- 4 - Lamps (T-1-3/4 midget-flange base incandescent type) not included, order separately.

Weight: 235 pound maximum.

Enclosure design: 1 (unsealed).

Vibration grade: 2 (10 to 500 Hz).

Display type: W (White background).

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

Thermal shock: Maximum temperature shall be -55°C.

Part number: M22885/15- (dash number from table II).

Qualification inspection: All applicants for qualification approval shall demonstrate that each of their items conform to all the requirements specified in the applicable documents, singularly and in combination with all other previously qualified items, regardless of manufacturer.

- (a) When the basic sensitive switches are qualified to MIL-PRF-8805, switches shall be tested in accordance with table I.
- (b) When the basic sensitive switches are not qualified to MIL-PRF-8805, the switch type for which qualification is sought, shall be submitted to the complete tests in accordance with table X of MIL-PRF-22885. The sample switches submitted to the color and luminance test, group VIII shall also be subjected to the color fade test in MIL-PRF-22885/12.

Group A inspection: Tests may be performed on individual MIL-PRF-22885/11 and MIL-PRF-22885/16 units prior to assembly as a MIL-PRF-15 unit, when applicable. Contact resistance may be performed on individual MIL-PRF-8805/2 basic switches prior to assembly as MIL-PRF-22885/11 unit.

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TABLE I. Qualification inspection (group submission).

Part number M22885/15	Qualification inspection table of MIL-PRF-22885		Additional testing	Extent of approval
	Group	No. of sample units		
-02	I II III	4 2 (From group I) 2 (From group I)	Plunger stop test <u>2/</u>	MIL-PRF-22885/15, /16, /11, /12
-36	I VI <u>3/</u>	4 4 (From group I)		
-20	I II <u>3/</u>	2 2 (from group I)		
<u>4/</u>	VIII	10	Color fade test of MIL-PRF-22885/12	

- 1/ In addition to those tests specified, switch modules M22885/11-01 and -03 shall be subjected to visual and mechanical examination and operating characteristics testing utilizing MIL-PRF-22885/16 indicator modules (2 samples each).
- 2/ The plunger stop test of MIL-PRF-22885/16 shall be performed by removing the switch assembly and installing the stop.
- 3/ Sea level resistive loads only.
- 4/ Two sample units for each color (4 lamps per sample unit). Samples from groups II thru VII may be used.

TABLE II. Dash number, design, and operating characteristics.

Dash number <u>1/</u> <u>2/</u>	Indicator M22885/16- module	Switch module M22885/11-
01(XXXX)	01(XXXX)	01
02(XXXX)	01(XXXX)	02
03(XXXX)	01(XXXX)	03
04(XXXX)	01(XXXX)	04
05(XXXX)	05(XXXX)	01
06(XXXX)	05(XXXX)	02
07(XXXX)	05(XXXX)	03
08(XXXX)	05(XXXX)	04
09(XXXX)	07(XXXX)	01
10(XXXX)	07(XXXX)	02
11(XXXX)	07(XXXX)	03
12(XXXX)	07(XXXX)	04
13(XXXX)	09(XXXX)	01
14(XXXX)	09(XXXX)	02
15(XXXX)	09(XXXX)	03
16(XXXX)	09(XXXX)	04
17(XXXX)	11(XXXX)	01
18(XXXX)	11(XXXX)	02
19(XXXX)	11(XXXX)	03
20(XXXX)	11(XXXX)	04
21(XXXX)	13(XXXX)	01
22(XXXX)	13(XXXX)	02
23(XXXX)	13(XXXX)	03
24(XXXX)	13(XXXX)	04

See footnotes at end of table.

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TABLE II. Dash number, design, and operating characteristics - Continued.

Dash number <u>1/</u> <u>2/</u>	Indicator M22885/16- module	Switch module M22885/11-
25(XXXX)	02(XXXX)	01
26(XXXX)	02(XXXX)	02
27(XXXX)	02(XXXX)	03
28(XXXX)	02(XXXX)	04
29(XXXX)	06(XXXX)	01
30(XXXX)	06(XXXX)	02
31(XXXX)	06(XXXX)	03
32(XXXX)	06(XXXX)	04
33(XXXX)	08(XXXX)	01
34(XXXX)	08(XXXX)	02
35(XXXX)	08(XXXX)	03
36(XXXX)	08(XXXX)	04
37(XXXX)	10(XXXX)	01
38(XXXX)	10(XXXX)	02
39(XXXX)	10(XXXX)	03
40(XXXX)	10(XXXX)	04
41(XXXX)	12(XXXX)	01
42(XXXX)	12(XXXX)	02
43(XXXX)	12(XXXX)	03
44(XXXX)	12(XXXX)	04
45(XXXX)	14(XXXX)	01
46(XXXX)	14(XXXX)	02
47(XXXX)	14(XXXX)	03
48(XXXX)	14(XXXX)	04
49(XXXX)	15(XXXX)	01
50(XXXX)	15(XXXX)	02
51(XXXX)	15(XXXX)	03
52(XXXX)	15(XXXX)	04
53(XXXX)	17(XXXX)	01
54(XXXX)	17(XXXX)	02
55(XXXX)	17(XXXX)	03
56(XXXX)	17(XXXX)	04
57(XXXX)	19(XXXX)	01
58(XXXX)	19(XXXX)	02
59(XXXX)	19(XXXX)	03
60(XXXX)	19(XXXX)	04
61(XXXX)	16(XXXX)	01
62(XXXX)	16(XXXX)	02
63(XXXX)	16(XXXX)	03
64(XXXX)	16(XXXX)	04
65(XXXX)	18(XXXX)	01
66(XXXX)	18(XXXX)	02
67(XXXX)	18(XXXX)	03
68(XXXX)	18XXXX	04
69(XXXX)	20(XXXX)	01
70(XXXX)	20(XXXX)	02
71(XXXX)	20(XXXX)	03
72(XXXX)	20(XXXX)	04

1/ Dash numbers shown are for units without color filters. When color filters are required, add the color symbols of MIL-PRF-22885 in place of "(XXXX)" with location as shown on figure 3 of MIL-PRF-22885/16. Example: M22885/15-07RGGR.

2/ Dash numbers are interchangeable with and replace former dash numbers that contained an additional zero.

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NOTE: For other than direct Government stocking, procurement of complete units may be made from the dash numbers indicated in table II. The part number shall not appear on the items, but may be marked on shipping containers. The individual part numbers as specified in MIL-PRF-22885/11, /12, and /16, when applicable, shall be marked as required.

Custodians:

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

Preparing activity:

DLA - CC

(Project 5930-1716-03)

Review activities:

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