

INCH-POUND
MIL-PRF-22885/18K
24 November 2010
SUPERSEDING
MIL-PRF-22885/18J
13 January 2005

PERFORMANCE SPECIFICATION SHEET

SWITCH, PUSH BUTTON, ILLUMINATED, DRIPPROOF SEAL, MOMENTARY AND ALTERNATE ACTION (DPDT/TWO CIRCUIT - 2 AMPERES)

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.

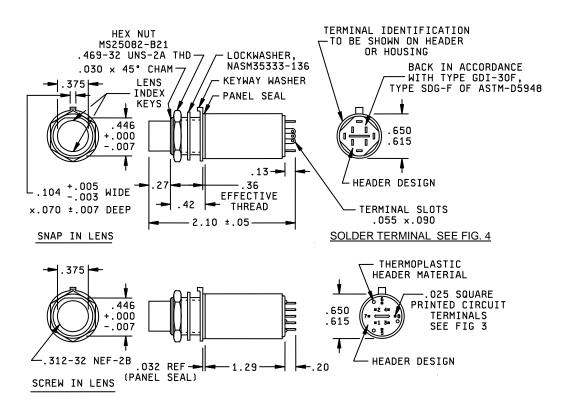
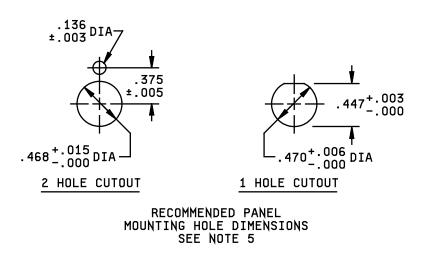
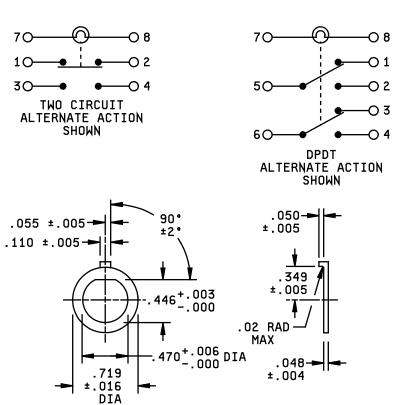


FIGURE 1. Switch, housing (without pushbutton lens).

AMSC N/A FSC 5930







REQUIRED FOR 2 HOLE PANEL CUTOUT ONLY

FIGURE 2. Panel cutout, circuit diagram and nonturn washer.



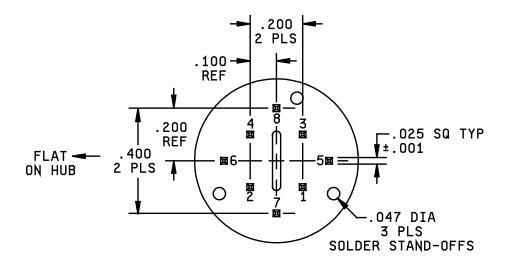
Inches	mm	Inches	mm	Inches	mm
.003	.08	.050	1.27	.375	9.53
.004	.10	.055	1.40	.42	10.7
.005	.13	.070	1.78	.446	11.33
.006	.15	.090	2.29	.447	11.35
.007	.18	.104	2.64	.468	11.89
.015	.38	.110	2.79	.470	11.94
.016	.41	.13	3.3	.615	15.62
.02	.5	.136	3.45	.650	16.51
.025	.64	.27	6.9	.719	18.26
.030	.76	.349	8.86	2.10	53.3
.048	1.22	.36	9.2		

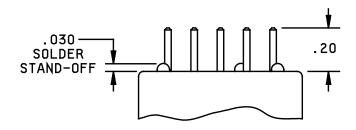
NOTES:

- 1. Dimensions are in inches.
- 2. Unless otherwise specified, tolerance is $\pm .016$ (.41 mm) for three place decimals and $\pm .03$ (8 mm) for two place decimals.
- 3. Metric equivalents are given for general information only.
- 4. Alignment of lens index slot to mounting flat $90^{\circ} \pm 2^{\circ}$. Applicable to units with snap-in lens.
- 5. One hole mounting is recommended when panel seal is utilized.
- 6. Terminals shall be permanently identified as shown.

FIGURE 2. Panel cutout, circuit diagram and nonturn washer - Continued.







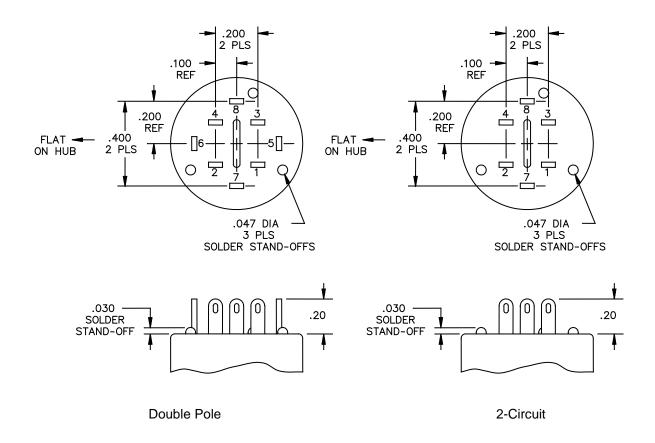
Inches	mm	Inches	mm
.001	.03	.100	2.54
.010	.25	.200	5.08
.025	.64	.20	5.1
.030	.76	.400	10.16
.03	.8		
.047	1.19		

NOTES:

- 1. Dimensions are in inches.
- 2. Metric equivalents are given for general information only.
- 3. Unless otherwise specified, tolerances are $\pm .010$ (25 mm) for three place decimals and $\pm .03$ (.8mm) for two place decimals.

FIGURE 3. Printed circuit terminal positions and identification.





Inches	mm	Inches	mm
.001	.03	.100	2.54
.010	.25	.200	5.08
.025	.64	.20	5.1
.030	.76	.400	10.16
.03	.8		
.047	1.19		

NOTES:

- 1. Dimensions are in inches.
- 2. Metric equivalents are given for general information only.
- 3. Unless otherwise specified, tolerances are \pm .010 (25 mm) for three place decimals and \pm .03 (.8mm) for two place decimals.

FIGURE 4. Solder terminal positions and identification.



REQUIREMENTS:

Dimensions and configuration: See figures 1, 2, 3, and tables I and II.

Enclosure design: 2 (dripproof).

Operation: See tables I and II.

Color and display type: See MIL-PRF-22885/99 as applicable.

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

Vibration grade: 2 (10 - 500 Hz).

Weight: 1.11 ounces maximum (includes lens and lamp).

Operating characteristics:

Operating force: 2 ±1 pounds.

Plunger travel: .160 inch maximum.

Shock (specified pulse): Method I (75 g's) except 50 g's for switches with M22885/22-01 through -05 lens. No opening of closed contacts in excess of 5 milliseconds. No closing of open contacts in excess of 10 microseconds.

Electrical ratings: See table III.

Contact resistance after electrical endurance: 1.5 ohms maximum.

Part number: M22885/18- (dash number from table I or II). Dash numbers from table II are inactive for new design.

Complete switch shall consist of:

- a. Switch housing in accordance with figures 1, 2, and 3.
- b. Lens. (MIL-PRF-22885/99).
- c. Lamp (T-1-3/4 midget flange base, incandescent type): Not included, order separately.



MIL-PRF-22885/18K TABLE I. <u>Dash numbers for switch housings</u>.

Dash numbers		Circuit	On a mation	Pushbutton
Printed circuit	Solder	characteristic	Operation	lens type
terminals 1/	terminals <u>1</u> /			
149	01	DPDT	Momentary	Threaded
150	02	DPDT	Alternate action	Threaded
151	03	Two circuit	Momentary	Threaded
152	04	Two circuit	Alternate action	Threaded
153	05	DPDT	Momentary	Snap-in
154	06	DPDT	Alternate action	Snap-in
155	07	Two circuit	Momentary	Snap-in
156	08	Two circuit	Alternate action	Snap-in

^{1/} These are switch housings that do not include pushbutton lens. Acquire pushbutton lens separately. See MIL-PRF-22885/99.

TABLE II. <u>Inactive for new design dash numbers</u>. <u>1</u>/

Dash n	umbers	Lana	Cinquit		
Printed circuit	Solder	Lens	Circuit	Operation	Lens type
terminals	terminals	M22885/	characteristic		7.
157 <u>2</u> /	09 <u>2</u> /	22-01 (Yellow)	DPDT	Momentary	Threaded
158 <u>2</u> /	10 <u>2</u> /	22-02 (White)	DPDT	Momentary	Threaded
159 <u>2</u> /	11 <u>2</u> /	22-03 (Red)	DPDT	Momentary	Threaded
160 <u>2</u> /	12 <u>2</u> /	22-04 (Green)	DPDT	Momentary	Threaded
161 <u>2</u> /	13 <u>2</u> /	22-05 (Blue)	DPDT	Momentary	Threaded
162	14	22-06 (Yellow)	DPDT	Momentary	Threaded
163	15	22-07 (White)	DPDT	Momentary	Threaded
164	16	22-08 (Red)	DPDT	Momentary	Threaded
165	17	22-09 (Green)	DPDT	Momentary	Threaded
166	18	22-10 (Blue)	DPDT	Momentary	Threaded
167	19	22-11 (Yellow)	DPDT	Momentary	Threaded
168	20	22-12 (White)	DPDT	Momentary	Threaded
169	21	22-13 (Red)	DPDT	Momentary	Threaded
170	22	22-14 (Green)	DPDT	Momentary	Threaded
171	23	22-15 (Blue)	DPDT	Momentary	Threaded
172	24	22-16 (Yellow)	DPDT	Momentary	Threaded
173	25	22-17 (White)	DPDT	Momentary	Threaded
174	26	22-18 (Red)	DPDT	Momentary	Threaded
175	27	22-19 (Green)	DPDT	Momentary	Threaded
176	28	22-20 (Blue)	DPDT	Momentary	Threaded
177 <u>2</u> /	29 <u>2</u> /	22-01 (Yellow)	DPDT	Alternate action	Threaded
178 <u>2</u> /	30 <u>2</u> /	22-02 (White)	DPDT	Alternate action	Threaded
179 <u>2</u> /	31 <u>2</u> /	22-03 (Red)	DPDT	Alternate action	Threaded
180 <u>2</u> /	32 <u>2</u> /	22-04 (Green)	DPDT	Alternate action	Threaded
181 <u>2</u> /	33 <u>2</u> /	22-05 (Blue)	DPDT	Alternate action	Threaded

See footnotes at end of table.



MIL-PRF-22885/18K
TABLE II. <u>Inactive for new design dash numbers</u> - <u>1</u>/ Continued.

Printed circuit terminals terminals	Dash n	umbers	Long	Circuit		
182 34 22-06 (Yellow) DPDT Alternate action Threaded 184 36 22-08 (Red) DPDT Alternate action Threaded 185 37 22-09 (Green) DPDT Alternate action Threaded 186 38 22-10 (Blue) DPDT Alternate action Threaded 187 39 22-11 (Yellow) DPDT Alternate action Threaded 188 40 22-12 (White) DPDT Alternate action Threaded 188 40 22-13 (Red) DPDT Alternate action Threaded 188 41 22-13 (Red) DPDT Alternate action Threaded 190 42 22-14 (Green) DPDT Alternate action Threaded 191 43 22-15 (Blue) DPDT Alternate action Threaded 191 43 22-15 (Blue) DPDT Alternate action Threaded 192 44 22-16 (Yellow) DPDT Alternate action Threaded 193 45 22-17 (White) DPDT Alternate action Threaded 194 46 22-18 (Red) DPDT Alternate action Threaded 195 47 22-19 (Green) DPDT Alternate action Threaded 195 47 22-19 (Green) DPDT Alternate action Threaded 196 48 22-20 (Blue) DPDT Alternate action Threaded 197 2/			Lens M22885/	Circuit	Operation	Lens type
183 35 22-07 (White) DPDT Alternate action Threaded 184 36 22-08 (Red) DPDT Alternate action Threaded 185 37 22-09 (Green) DPDT Alternate action Threaded 186 38 22-10 (Blue) DPDT Alternate action Threaded 187 39 22-11 (Yellow) DPDT Alternate action Threaded 188 40 22-13 (Red) DPDT Alternate action Threaded 190 42 22-14 (Green) DPDT Alternate action Threaded 190 42 22-15 (Blue) DPDT Alternate action Threaded 191 43 22-16 (Yellow) DPDT Alternate action Threaded 192 44 22-16 (Yellow) DPDT Alternate action Threaded 193 45 22-17 (White) DPDT Alternate action Threaded 194 46 22-18 (Red) DPDT Alternate action <						
184 36 22-08 (Red) DPDT Alternate action Threaded 186 38 22-09 (Green) DPDT Alternate action Threaded 187 39 22-11 (Yellow) DPDT Alternate action Threaded 188 40 22-12 (White) DPDT Alternate action Threaded 189 41 22-13 (Red) DPDT Alternate action Threaded 190 42 22-14 (Green) DPDT Alternate action Threaded 191 43 22-15 (Blue) DPDT Alternate action Threaded 192 44 22-16 (Yellow) DPDT Alternate action Threaded 193 45 22-17 (White) DPDT Alternate action Threaded 194 46 22-18 (Red) DPDT Alternate action Threaded 195 47 22-19 (Green) DPDT Alternate action Threaded 197 2/ 49 2/ 22-01 (White) Two circuit </td <td></td> <td></td> <td></td> <td></td> <td>Alternate action</td> <td></td>					Alternate action	
186 37 22-09 (Green) DPDT Alternate action Threaded 187 39 22-11 (Yellow) DPDT Alternate action Threaded 188 40 22-12 (White) DPDT Alternate action Threaded 189 41 22-13 (Red) DPDT Alternate action Threaded 190 42 22-14 (Green) DPDT Alternate action Threaded 191 43 22-15 (Blue) DPDT Alternate action Threaded 192 44 22-16 (Yellow) DPDT Alternate action Threaded 193 45 22-17 (White) DPDT Alternate action Threaded 194 46 22-18 (Red) DPDT Alternate action Threaded 195 47 22-19 (Green) DPDT Alternate action Threaded 195 47 22-19 (Green) DPDT Alternate action Threaded 197 2/ 49 2/ 22-01 (White) Two circuit					Alternate action	Threaded
186 38 22-10 (Blue) DPDT Alternate action Threaded 187 39 22-11 (Yellow) DPDT Alternate action Threaded 188 40 22-12 (White) DPDT Alternate action Threaded 189 41 22-13 (Red) DPDT Alternate action Threaded 190 42 22-14 (Green) DPDT Alternate action Threaded 191 43 22-15 (Bule) DPDT Alternate action Threaded 192 44 22-16 (Yellow) DPDT Alternate action Threaded 193 45 22-17 (White) DPDT Alternate action Threaded 194 46 22-18 (Green) DPDT Alternate action Threaded 195 47 22-19 (Green) DPDT Alternate action Threaded 197 2/ 49 2/ 22-01 (Yellow) Two circuit Momentary Threaded 197 2/ 49 2/	184		22-08 (Red)	DPDT	Alternate action	Threaded
187 39 22-11 (Yellow) DPDT Alternate action Threaded 188 40 22-12 (White) DPDT Alternate action Threaded 189 41 22-13 (Red) DPDT Alternate action Threaded 190 42 22-14 (Green) DPDT Alternate action Threaded 191 43 22-15 (Blue) DPDT Alternate action Threaded 192 44 22-16 (Kelo) DPDT Alternate action Threaded 193 45 22-17 (White) DPDT Alternate action Threaded 194 46 22-18 (Red) DPDT Alternate action Threaded 195 47 22-19 (Green) DPDT Alternate action Threaded 198 24 50 2/ 22-02 (White) Two circuit Momentary Threaded 199 2/ 51 2/ 22-03 (Red) Two circuit Momentary Threaded 199 2/ 52 <td>185</td> <td>37</td> <td>22-09 (Green)</td> <td>DPDT</td> <td>Alternate action</td> <td>Threaded</td>	185	37	22-09 (Green)	DPDT	Alternate action	Threaded
188 40 22-12 (White) DPDT Alternate action Threaded 189 41 22-13 (Red) DPDT Alternate action Threaded 190 42 22-14 (Green) DPDT Alternate action Threaded 191 43 22-15 (Blue) DPDT Alternate action Threaded 192 44 22-16 (Yellow) DPDT Alternate action Threaded 193 45 22-17 (White) DPDT Alternate action Threaded 194 46 22-18 (Red) DPDT Alternate action Threaded 195 47 22-19 (Green) DPDT Alternate action Threaded 196 48 22-20 (White) Two circuit Momentary Threaded 198 2/ 50 2/ 22-01 (Yellow) Two circuit Momentary Threaded 199 2/ 51 2/ 22-03 (Red) Two circuit Momentary Threaded 200 54 22-06 (Yellow) Two ci	186	38	22-10 (Blue)	DPDT	Alternate action	Threaded
189	187	39	22-11 (Yellow)		Alternate action	Threaded
190	188	40	22-12 (White)	DPDT	Alternate action	Threaded
191 43 22-15 (Blue) DPDT Alternate action Threaded	189	41	22-13 (Red)	DPDT	Alternate action	Threaded
192 44 22-16 (Yellow) DPDT Alternate action Threaded 193 45 22-17 (White) DPDT Alternate action Threaded 194 46 22-18 (Red) DPDT Alternate action Threaded 195 47 22-19 (Green) DPDT Alternate action Threaded 196 48 22-20 (Blue) DPDT Alternate action Threaded 197 2/ 49 2/ 22-01 (Yellow) Two circuit Momentary Threaded 198 2/ 50 2/ 22-03 (Red) Two circuit Momentary Threaded 199 2/ 51 2/ 22-03 (Red) Two circuit Momentary Threaded 200 2/ 52 2/ 22-04 (Green) Two circuit Momentary Threaded 201 2/ 53 2/ 22-05 (Blue) Two circuit Momentary Threaded 202 54 22-06 (Yellow) Two circuit Momentary Threaded 204 56 22-08 (Red) Two circ	190	42	22-14 (Green)	DPDT	Alternate action	Threaded
193 45 22-17 (White) DPDT Alternate action Threaded 194 46 22-18 (Red) DPDT Alternate action Threaded 195 47 22-19 (Green) DPDT Alternate action Threaded 196 48 22-20 (Blue) DPDT Alternate action Threaded 197 2/ 49 2/ 22-01 (Yellow) Two circuit Momentary Threaded 198 2/ 50 2/ 22-02 (White) Two circuit Momentary Threaded 199 2/ 51 2/ 22-03 (Red) Two circuit Momentary Threaded 200 2/ 52 2/ 22-05 (Blue) Two circuit Momentary Threaded 201 2/ 53 2/ 22-05 (Blue) Two circuit Momentary Threaded 202 54 22-06 (Yellow) Two circuit Momentary Threaded 203 55 22-08 (Red) Two circuit <td< td=""><td>191</td><td>43</td><td>22-15 (Blue)</td><td>DPDT</td><td>Alternate action</td><td>Threaded</td></td<>	191	43	22-15 (Blue)	DPDT	Alternate action	Threaded
194	192	44	22-16 (Yellow)	DPDT	Alternate action	Threaded
194		45	` ,	DPDT	Alternate action	Threaded
195				DPDT	Alternate action	Threaded
196						
197 2/	196	48		DPDT	Alternate action	Threaded
198 2/ 50 2/ 22-02 (White) Two circuit Momentary Threaded 199 2/ 51 2/ 22-03 (Red) Two circuit Momentary Threaded 200 2/ 52 2/ 22-04 (Green) Two circuit Momentary Threaded 201 2/ 53 2/ 22-05 (Blue) Two circuit Momentary Threaded 202 54 22-06 (Yellow) Two circuit Momentary Threaded 203 55 22-07 (White) Two circuit Momentary Threaded 204 56 22-08 (Red) Two circuit Momentary Threaded 205 57 22-09 (Green) Two circuit Momentary Threaded 206 58 22-10 (Blue) Two circuit Momentary Threaded 207 59 22-11 (Yellow) Two circuit Momentary Threaded 209 61 22-13 (Red) Two circuit Momentary Threaded 210 62 22-14 (Green) Two circuit M	197 2/	49 2/		Two circuit	Momentary	Threaded
199 2/ 51 2/ 22-03 (Red) Two circuit Momentary Threaded 200 2/ 52 2/ 22-04 (Green) Two circuit Momentary Threaded 201 2/ 53 2/ 22-05 (Blue) Two circuit Momentary Threaded 202				Two circuit		Threaded
200 2/2 52 2/2 22-04 (Green) Two circuit Momentary Threaded 201 2/2 53 2/2 22-05 (Blue) Two circuit Momentary Threaded 202 54 22-06 (Yellow) Two circuit Momentary Threaded 203 55 22-07 (White) Two circuit Momentary Threaded 204 56 22-08 (Red) Two circuit Momentary Threaded 205 57 22-09 (Green) Two circuit Momentary Threaded 206 58 22-10 (Blue) Two circuit Momentary Threaded 207 59 22-11 (Yellow) Two circuit Momentary Threaded 208 60 22-13 (Red) Two circuit Momentary Threaded 210 62 22-14 (Green) Two circuit Momentary Threaded 211 63 22-15 (Blue) Two circuit Momentary Threaded 212 64				Two circuit		Threaded
201 2/ 53 2/ 22-05 (Blue)						Threaded
202 54 22-06 (Yellow) Two circuit Momentary Threaded 203 55 22-07 (White) Two circuit Momentary Threaded 204 56 22-08 (Red) Two circuit Momentary Threaded 205 57 22-09 (Green) Two circuit Momentary Threaded 206 58 22-10 (Blue) Two circuit Momentary Threaded 207 59 22-11 (Yellow) Two circuit Momentary Threaded 208 60 22-12 (White) Two circuit Momentary Threaded 209 61 22-13 (Red) Two circuit Momentary Threaded 210 62 22-14 (Green) Two circuit Momentary Threaded 211 63 22-15 (Blue) Two circuit Momentary Threaded 212 64 22-16 (Yellow) Two circuit Momentary Threaded 213 65 22-17 (White) Two circuit Momentary					,	
203 55 22-07 (White) Two circuit Momentary Threaded 204 56 22-08 (Red) Two circuit Momentary Threaded 205 57 22-09 (Green) Two circuit Momentary Threaded 206 58 22-10 (Blue) Two circuit Momentary Threaded 207 59 22-11 (Yellow) Two circuit Momentary Threaded 208 60 22-12 (White) Two circuit Momentary Threaded 209 61 22-13 (Red) Two circuit Momentary Threaded 210 62 22-14 (Green) Two circuit Momentary Threaded 211 63 22-15 (Blue) Two circuit Momentary Threaded 212 64 22-16 (Yellow) Two circuit Momentary Threaded 213 65 22-17 (White) Two circuit Momentary Threaded 214 66 22-18 (Red) Two circuit Momentary <t< td=""><td></td><td></td><td>` ,</td><td></td><td></td><td>Threaded</td></t<>			` ,			Threaded
204 56 22-08 (Red) Two circuit Momentary Threaded 205 57 22-09 (Green) Two circuit Momentary Threaded 206 58 22-10 (Blue) Two circuit Momentary Threaded 207 59 22-11 (Yellow) Two circuit Momentary Threaded 208 60 22-12 (White) Two circuit Momentary Threaded 209 61 22-13 (Red) Two circuit Momentary Threaded 210 62 22-14 (Green) Two circuit Momentary Threaded 211 63 22-15 (Blue) Two circuit Momentary Threaded 212 64 22-16 (Yellow) Two circuit Momentary Threaded 213 65 22-17 (White) Two circuit Momentary Threaded 214 66 22-18 (Red) Two circuit Momentary Threaded 215 67 22-19 (Green) Two circuit Momentary <t< td=""><td></td><td></td><td>` ,</td><td></td><td>_</td><td></td></t<>			` ,		_	
205 57 22-09 (Green) Two circuit Momentary Threaded 206 58 22-10 (Blue) Two circuit Momentary Threaded 207 59 22-11 (Yellow) Two circuit Momentary Threaded 208 60 22-12 (White) Two circuit Momentary Threaded 209 61 22-13 (Red) Two circuit Momentary Threaded 210 62 22-14 (Green) Two circuit Momentary Threaded 211 63 22-15 (Blue) Two circuit Momentary Threaded 212 64 22-16 (Yellow) Two circuit Momentary Threaded 213 65 22-17 (White) Two circuit Momentary Threaded 214 66 22-18 (Red) Two circuit Momentary Threaded 215 67 22-19 (Green) Two circuit Momentary Threaded 216 68 22-20 (Blue) Two circuit Alternate action					_	
206 58 22-10 (Blue) Two circuit Momentary Threaded 207 59 22-11 (Yellow) Two circuit Momentary Threaded 208 60 22-12 (White) Two circuit Momentary Threaded 209 61 22-13 (Red) Two circuit Momentary Threaded 210 62 22-14 (Green) Two circuit Momentary Threaded 211 63 22-15 (Blue) Two circuit Momentary Threaded 212 64 22-16 (Yellow) Two circuit Momentary Threaded 213 65 22-17 (White) Two circuit Momentary Threaded 214 66 22-18 (Red) Two circuit Momentary Threaded 215 67 22-19 (Green) Two circuit Momentary Threaded 216 68 22-20 (Blue) Two circuit Alternate action Threaded 217 2/ 29 22-02 (White) Two circuit <						
207 59 22-11 (Yellow) Two circuit Momentary Threaded 208 60 22-12 (White) Two circuit Momentary Threaded 209 61 22-13 (Red) Two circuit Momentary Threaded 210 62 22-14 (Green) Two circuit Momentary Threaded 211 63 22-15 (Blue) Two circuit Momentary Threaded 212 64 22-16 (Yellow) Two circuit Momentary Threaded 213 65 22-17 (White) Two circuit Momentary Threaded 214 66 22-18 (Red) Two circuit Momentary Threaded 215 67 22-19 (Green) Two circuit Momentary Threaded 216 68 22-20 (Blue) Two circuit Momentary Threaded 217 2/ 69 2/ 22-01 (Yellow) Two circuit Alternate action Threaded 219 2/ 71 2/					_	
208 60 22-12 (White) Two circuit Momentary Threaded 209 61 22-13 (Red) Two circuit Momentary Threaded 210 62 22-14 (Green) Two circuit Momentary Threaded 211 63 22-15 (Blue) Two circuit Momentary Threaded 212 64 22-16 (Yellow) Two circuit Momentary Threaded 213 65 22-17 (White) Two circuit Momentary Threaded 214 66 22-18 (Red) Two circuit Momentary Threaded 215 67 22-19 (Green) Two circuit Momentary Threaded 216 68 22-20 (Blue) Two circuit Momentary Threaded 217 2/ 22-00 (White) Two circuit Alternate action Threaded 218 2/ 70 2/ 22-02 (White) Two circuit Alternate action Threaded 219 2/ 71 2/			` '			
209 61 22-13 (Red) Two circuit Momentary Threaded 210 62 22-14 (Green) Two circuit Momentary Threaded 211 63 22-15 (Blue) Two circuit Momentary Threaded 212 64 22-16 (Yellow) Two circuit Momentary Threaded 213 65 22-17 (White) Two circuit Momentary Threaded 214 66 22-18 (Red) Two circuit Momentary Threaded 215 67 22-19 (Green) Two circuit Momentary Threaded 216 68 22-20 (Blue) Two circuit Momentary Threaded 217 2/ 22-01 (Yellow) Two circuit Alternate action Threaded 218 2/ 70 2/ 22-02 (White) Two circuit Alternate action Threaded 219 2/ 71 2/ 22-03 (Red) Two circuit Alternate action Threaded 220 2/ </td <td></td> <td></td> <td>` ,</td> <td></td> <td>_</td> <td></td>			` ,		_	
210 62 22-14 (Green) Two circuit Momentary Threaded 211 63 22-15 (Blue) Two circuit Momentary Threaded 212 64 22-16 (Yellow) Two circuit Momentary Threaded 213 65 22-17 (White) Two circuit Momentary Threaded 214 66 22-18 (Red) Two circuit Momentary Threaded 215 67 22-19 (Green) Two circuit Momentary Threaded 216 68 22-20 (Blue) Two circuit Momentary Threaded 217 2/ 69 2/ 22-01 (Yellow) Two circuit Alternate action Threaded 218 2/ 70 2/ 22-02 (White) Two circuit Alternate action Threaded 219 2/ 71 2/ 22-03 (Red) Two circuit Alternate action Threaded 220 2/ 72 2/ 22-05 (Blue) Two circuit Alternate action						
211 63 22-15 (Blue) Two circuit Momentary Threaded 212 64 22-16 (Yellow) Two circuit Momentary Threaded 213 65 22-17 (White) Two circuit Momentary Threaded 214 66 22-18 (Red) Two circuit Momentary Threaded 215 67 22-19 (Green) Two circuit Momentary Threaded 216 68 22-20 (Blue) Two circuit Alternate action Threaded 217 2/ 69 2/ 22-01 (Yellow) Two circuit Alternate action Threaded 218 2/ 70 2/ 22-02 (White) Two circuit Alternate action Threaded 219 2/ 71 2/ 22-03 (Red) Two circuit Alternate action Threaded 220 2/ 72 2/ 22-04 (Green) Two circuit Alternate action Threaded 221 2/ 73 2/ 22-05 (Blue)					_	
212 64 22-16 (Yellow) Two circuit Momentary Threaded 213 65 22-17 (White) Two circuit Momentary Threaded 214 66 22-18 (Red) Two circuit Momentary Threaded 215 67 22-19 (Green) Two circuit Momentary Threaded 216 68 22-20 (Blue) Two circuit Momentary Threaded 217 2/ 69 2/ 22-01 (Yellow) Two circuit Alternate action Threaded 218 2/ 70 2/ 22-02 (White) Two circuit Alternate action Threaded 219 2/ 71 2/ 22-03 (Red) Two circuit Alternate action Threaded 220 2/ 72 2/ 22-04 (Green) Two circuit Alternate action Threaded 221 2/ 73 2/ 22-05 (Blue) Two circuit Alternate action Threaded					_	
213 65 22-17 (White) Two circuit Momentary Threaded 214 66 22-18 (Red) Two circuit Momentary Threaded 215 67 22-19 (Green) Two circuit Momentary Threaded 216 68 22-20 (Blue) Two circuit Momentary Threaded 217 2/ 69 2/ 22-01 (Yellow) Two circuit Alternate action Threaded 218 2/ 70 2/ 22-02 (White) Two circuit Alternate action Threaded 219 2/ 71 2/ 22-03 (Red) Two circuit Alternate action Threaded 220 2/ 72 2/ 22-04 (Green) Two circuit Alternate action Threaded 221 2/ 73 2/ 22-05 (Blue) Two circuit Alternate action Threaded						
214 66 22-18 (Red) Two circuit Momentary Threaded 215 67 22-19 (Green) Two circuit Momentary Threaded 216 68 22-20 (Blue) Two circuit Momentary Threaded 217 2/ 69 2/ 22-01 (Yellow) Two circuit Alternate action Threaded 218 2/ 70 2/ 22-02 (White) Two circuit Alternate action Threaded 219 2/ 71 2/ 22-03 (Red) Two circuit Alternate action Threaded 220 2/ 72 2/ 22-04 (Green) Two circuit Alternate action Threaded 221 2/ 73 2/ 22-05 (Blue) Two circuit Alternate action Threaded					_	
215 67 22-19 (Green) Two circuit Momentary Threaded 216 68 22-20 (Blue) Two circuit Momentary Threaded 217 2/ 69 2/ 22-01 (Yellow) Two circuit Alternate action Threaded 218 2/ 70 2/ 22-02 (White) Two circuit Alternate action Threaded 219 2/ 71 2/ 22-03 (Red) Two circuit Alternate action Threaded 220 2/ 72 2/ 22-04 (Green) Two circuit Alternate action Threaded 221 2/ 73 2/ 22-05 (Blue) Two circuit Alternate action Threaded						
2166822-20 (Blue)Two circuitMomentaryThreaded217 2/69 2/22-01 (Yellow)Two circuitAlternate actionThreaded218 2/70 2/22-02 (White)Two circuitAlternate actionThreaded219 2/71 2/22-03 (Red)Two circuitAlternate actionThreaded220 2/72 2/22-04 (Green)Two circuitAlternate actionThreaded221 2/73 2/22-05 (Blue)Two circuitAlternate actionThreaded						
217 2/ 69 2/ 22-01 (Yellow) Two circuit Alternate action Threaded 218 2/ 70 2/ 22-02 (White) Two circuit Alternate action Threaded 219 2/ 71 2/ 22-03 (Red) Two circuit Alternate action Threaded 220 2/ 72 2/ 22-04 (Green) Two circuit Alternate action Threaded 221 2/ 73 2/ 22-05 (Blue) Two circuit Alternate action Threaded					,	
218 2/ 219 2/70 2/ 71 2/22-02 (White) 22-03 (Red)Two circuit 			\ /		•	
219 2/71 2/22-03 (Red)Two circuitAlternate actionThreaded220 2/72 2/22-04 (Green)Two circuitAlternate actionThreaded221 2/73 2/22-05 (Blue)Two circuitAlternate actionThreaded						
220 2/72 2/22-04 (Green)Two circuitAlternate actionThreaded221 2/73 2/22-05 (Blue)Two circuitAlternate actionThreaded						
221 2/ 73 2/ 22-05 (Blue) Two circuit Alternate action Threaded						
			` '			
	222	74	22-06 (Yellow)	Two circuit	Alternate action	Threaded
223 75 22-07 (White) Two circuit Alternate action Threaded						
224 76 22-08 (Red) Two circuit Alternate action Threaded						
225 77 22-09 (Green) Two circuit Alternate action Threaded						
226 78 22-10 (Blue) Two circuit Alternate action Threaded						

See footnotes at end of table.



TABLE II. <u>Inactive for new design dash numbers</u> - <u>1</u>/ Continued.

Dash n	umbers	Lana	Cinquit		
Printed circuit	Solder	Lens M22885/	Circuit characteristic	Operation	Lens type
terminals	terminals				
227	79	22-11 (Yellow)	Two circuit	Alternate action	Threaded
228	80	22-12 (White)	Two circuit	Alternate action	Threaded
229	81	22-13 (Red)	Two circuit	Alternate action	Threaded
230	82	22-14 (Green)	Two circuit	Alternate action	Threaded
231	83	22-15 (Blue)	Two circuit	Alternate action	Threaded
232	84	22-16 (Yellow)	Two circuit	Alternate action	Threaded
233	85	22-17 (White)	Two circuit	Alternate action	Threaded
234	86	22-18 (Red)	Two circuit	Alternate action	Threaded
235	87	22-19 (Green)	Two circuit	Alternate action	Threaded
236	88	22-20 (Blue)	Two circuit	Alternate action	Threaded
237	89	19-01 (Yellow)	DPDT	Momentary	Snap-in
238	90	19-02 (White)	DPDT	Momentary	Snap-in
239	91	19-03 (Red)	DPDT	Momentary	Snap-in
240	92	19-04 (Green)	DPDT	Momentary	Snap-in
241	93	19-05 (Blue)	DPDT	Momentary	Snap-in
242	94	19-06 (Yellow)	DPDT	Momentary	Snap-in
243	95	19-07 (White)	DPDT	Momentary	Snap-in
244	96	19-08 (Red)	DPDT	Momentary	Snap-in
245	97	19-09 (Green)	DPDT	Momentary	Snap-in
246	98	19-10 (Blue)	DPDT	Momentary	Snap-in
247	99	19-11 (Yellow)	DPDT	Momentary	Snap-in
248	100	19-12 (White)	DPDT	Momentary	Snap-in
249	101	19-13 (Red)	DPDT	Momentary	Snap-in
250	102	19-14 (Green)	DPDT	Momentary	Snap-in
251	103	19-15 (Blue)	DPDT	Momentary	Snap-in
252	104	19-01 (Yellow)	DPDT	Alternate action	Snap-in
253	105	19-02 (White)	DPDT	Alternate action	Snap-in
254	106	19-03 (Red)	DPDT	Alternate action	Snap-in
255	107	19-04 (Green)	DPDT	Alternate action	Snap-in
256	108	19-05 (Blue)	DPDT	Alternate action	Snap-in
257	109	19-06 (Yellow)	DPDT	Alternate action	Snap-in
258	110	19-07 (White)	DPDT	Alternate action	Snap-in
259	111	19-08 (Red)	DPDT	Alternate action	Snap-in
260	112	19-09 (Green)	DPDT	Alternate action	Snap-in
261	113	19-10 (Blue)	DPDT	Alternate action	Snap-in
262	114	19-11 (Yellow)	DPDT	Alternate action	Snap-in
263	115	19-12 (White)	DPDT	Alternate action	Snap-in
264	116	19-13 (Red)	DPDT	Alternate action	Snap-in
265	117	19-14 (Green)	DPDT	Alternate action	Snap-in
266	118	19-15 (Blue)	DPDT	Alternate action	Snap-in
267	119	19-13 (Bide)	Two circuit	Momentary	Snap-in
268	120	19-01 (Tellow)	Two circuit	Momentary	Snap-in
269	121	19-02 (Write)	Two circuit	Momentary	Snap-in
270	121	19-03 (Red) 19-04 (Green)	Two circuit	Momentary	Snap-in
270	123	19-04 (Green)	Two circuit	Momentary	Snap-in
Z1 1	123	19-00 (Dide)	i wo circuit	ivionientary	Jiiap-iii

See footnotes at end of table.



TABLE II. <u>Inactive for new design dash numbers</u> - 1/ Continued.

Dash n	umbers	Lens	Circuit		
Printed circuit	Solder	M22885/	characteristic	Operation	Lens type
terminals	terminals	10122003/	Characteristic		
272	124	19-06 (Yellow)	Two circuit	Momentary	Snap-in
273	125	19-07 (White)	Two circuit	Momentary	Snap-in
274	126	19-08 (Red)	Two circuit	Momentary	Snap-in
275	127	19-09 (Green)	Two circuit	Momentary	Snap-in
276	128	19-10 (Blue)	Two circuit	Momentary	Snap-in
277	129	19-11 (Yellow)	Two circuit	Momentary	Snap-in
278	130	19-12 (White)	Two circuit	Momentary	Snap-in
279	131	19-13 (Red)	Two circuit	Momentary	Snap-in
280	132	19-14 (Green)	Two circuit	Momentary	Snap-in
281	133	19-15 (Blue)	Two circuit	Momentary	Snap-in
282	134	19-01 (Yellow)	Two circuit	Alternate action	Snap-in
283	135	19-02 (White)	Two circuit	Alternate action	Snap-in
284	136	19-03 (Red)	Two circuit	Alternate action	Snap-in
285	137	19-04 (Green)	Two circuit	Alternate action	Snap-in
286	138	19-05 (Blue)	Two circuit	Alternate action	Snap-in
287	139	19-06 (Yellow)	Two circuit	Alternate action	Snap-in
288	140	19-07 (White)	Two circuit	Alternate action	Snap-in
289	141	19-08 (Red)	Two circuit	Alternate action	Snap-in
290	142	19-09 (Green)	Two circuit	Alternate action	Snap-in
291	143	19-10 (Blue)	Two circuit	Alternate action	Snap-in
292	144	19-11 (Yellow)	Two circuit	Alternate action	Snap-in
293	145	19-12 (White)	Two circuit	Alternate action	Snap-in
294	146	19-13 (Red)	Two circuit	Alternate action	Snap-in
295	147	19-14 (Green)	Two circuit	Alternate action	Snap-in
296	148	19-15 (Blue)	Two circuit	Alternate action	Snap-in

These switch assemblies include MIL-S-22885/19 or MIL-S-22885/22 pushbutton lens which have been cancelled. Replace with separate switch housing (see table I) and pushbutton lens (see MIL-PRF-22885/99)

TABLE III. Electrical ratings.

Load	28 V dc	115 V ac (60/400 Hz)
Resistive	amperes 2.0	amperes 2.0
Inductive Lamp	1.5 0.5	1.5 0.5

^{2/} Switches with lenses M22885/22-01 through M22885/22-05 are not for applications that require greater than 50 g shock loads.



QUALIFICATION:

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

Group A inspection.

Seal test. Visual examination only.

TABLE IV. Qualification inspection (group submission).

Sample units	Qualification table of MIL-PRF-22885	Extent of approval
Assembly of M22885/18-02 and M22885/99-K108 1/	All tests 2/	
Assembly of M22885/18-153 and M22885/99-K208	Groups I and II	
Assembly of M22885/18-07and M22885/99-K208 (2 sample units)	Visual and mechanical examination Operating characteristics	All
Assembly of M22885/18-08 and M22885/99-K208 (2 sample units)	Contact resistance	

^{1/} For group VIII tests, two samples each of M22885/99-K201 through M22885/99-K215 pushbutton lens shall be assembled to M22885/18-07 switch housing.

^{2/} Seal test to be performed in group II and group VII only. 115 V ac electrical endurance tests are to be performed at 60 Hz only.



The margins of this specification are marked with vertical lines to indicate where modifications from this revision were made. This was done as a convenience only and the Government assumes no liability whatsoever for any inaccuracies in these notations. Bidders and contractors are cautioned to evaluate the requirements of this document based on the entire content irrespective of the marginal notations.

Referenced Documents:

MIL-PRF-22885 MIL-PRF-22885/99 ASTM-D5948

Custodians:

Army - CR Navy - EC Air Force - 85 DLA - CC Preparing activity: DLA - CC

(Project 5930-2011-015)

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 https://assist.daps.dla.mil/.