JAY-EL MARK 10 P/N 10706
ILLUMINATED PUSHBUTTON SWITCH
MEETS REQUIREMENTS OF
MIL-S-22885
DESIGN FEATURES

ELECTRICAL

Lightning: to Mil-S-22885. Different display types featuring visible before lighted and visible in direct sunlight.

Terminations: Electrical connections can be made by crimp, insertable-removable contacts through a resilient grommet. The contact conforming to Mil-C-39029/1-101. Contact insertion and removal forces are in accordance with Mil-T-81714.

Contact Ratings @ 115 VAC or 28 VDC:
- Resistive 7.5 amps
- Inductive 5.0 amps
- Lamp 1.0 amps
50,000 cycles electrical life at full load.

Contact configuration:
- Up to 2 double make, double break switching.
Lamps: 2 each T-1 3/4 midget flange base individual input to each lamp - relampable from front.

ENVIRONMENTAL

Mark Ten is designed to qualify to Mil-S-22885, Mil-T-81714

The following Qualifications Tests apply:
1. Operation Force
2. Pushout Force
3. Dielectric
4. Insulation Resistance
5. Contact Resistance
6. Mechanical Endurance
7. Electrical Endurance
8. Lamp Retention
9. Shock, Vibration
10. Explosion
11. Humidity
12. Color

MECHANICAL

Switch actions:
- Maintained depressed, alternate action
- Momentary

Actuation Force: 3.5 lbs + 1 lb

Weight: 1.31 oz. for complete switch assy.

Mounting: Standard front panel mounting.
- The entire switch and mounting sleeve may be removed from the front of the mounting panel, without access to the rear.

Mounting Type 1 - Removable mounting sleeve installed from the rear of the panel.

Pushbutton: Retained to switch housing.
Type 1 mounting - The switch is installed from the front of the mounting panel and a removable mounting sleeve is installed from the rear.

Tolerances: Unless otherwise specified - Fraction ± 1/32", .XX ±.01, XXX ±.005
**LEGEND VIEWING AREA.**

1. **BOOT RETAINING LEGEND PLATE REPLACES STANDARD LEGEND PLATE ORDER PER SHEET 8.**

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**SWITCH GUARD P/N 50512**

3. **OPEN ENDED FRAME ALLOWS FRONT PANEL ASSEMBLY WITHOUT REMOVING HOUSING FROM PANEL.**

2. **COVER HINGES 180° WITH 0.8 OZ MIN LIFTING FORCE.**

1. **MATL:**
   - **FRAME:** #301-304 CRES. COLOR: BLACK, PER MIL-C-13924.
   - **COVER:** TRANSPARENT POLYCARBONATE.

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<th>TABLE 1</th>
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<tbody>
<tr>
<td>BASIC P/N</td>
<td>MOUNTING TYPE</td>
<td>BEZEL COLOR</td>
<td>SPLIT GROUND</td>
<td>EMI</td>
<td>INTEGRAL SEAL</td>
<td>RETAINED PUSHBUTTON</td>
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<tr>
<td>10620</td>
<td>I</td>
<td>II</td>
<td>BLACK CRES</td>
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<th>TABLE 8</th>
<th>TABLE 9</th>
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<tbody>
<tr>
<td>PUSHBUTTON STYLE</td>
<td>SWITCH POLES</td>
<td>CONTACTS</td>
<td>SWITCH ACTION</td>
<td>UNLIT BACKGROUND COLOR</td>
<td>DISPLAY DATA</td>
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<tr>
<td>STANDARD</td>
<td>0 INDICATOR</td>
<td>(ABOVE 1 AMP) S SILVER CONTACTS</td>
<td>BLK DW</td>
<td>TO BE SPECIFIED ON PRELIMINARY FORM</td>
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**ACCESSORIES** May be ordered by the P/N's below:
- Rubber Boot Kit - P/N 50645
- Switch Guard - P/N 50512

**NOTES:**
- **AG OR AY SHOULD BE SPECIFIED WHEN GREEN OR YELLOW IS TO MEET MIL-C-25050.**
- **AY APPEARS AMBER WHEN ILLUMINATED.**
- **B1 & AG1 SPECIAL HIGH BRIGHT BLUE & GREEN RECOMMENDED FOR DISPLAY TYPE 8**
- **DISPLAY TYPE 8 AVAILABLE WITH .012 STROKE WIDTH ONLY**
- **A1H NEON LAMPS ARE AVAILABLE WITH ONLY RED OR AMBER ILLUMINATION. NEON LAMPS REQUIRE BALLAST RESISTOR (NOT SUPPLIED)**

**CHARACTER INFORMATION**

(HORIZONTAL DIRECTION ONLY)

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To obtain more characters per line other type fonts are available. Contact Jay-El for further information.