**NEXUS® Push-Button Series NX Switches**

**TYPES OF ADAPTERS**

<table>
<thead>
<tr>
<th>TYPE A</th>
<th>TYPE B</th>
<th>TYPE C</th>
<th>TYPE E</th>
<th>TYPE F</th>
<th>TYPE G</th>
<th>TYPE H</th>
</tr>
</thead>
<tbody>
<tr>
<td>![Type A Adapter Image]</td>
<td>![Type B Adapter Image]</td>
<td>![Type C Adapter Image]</td>
<td>![Type E Adapter Image]</td>
<td>![Type F Adapter Image]</td>
<td>![Type G Adapter Image]</td>
<td>![Type H Adapter Image]</td>
</tr>
</tbody>
</table>

**SPECIFICATIONS:**

AC Rating: 10 amps at 115 vac (Resistive load)
5 amps at 115 vac (Inductive load)
3 amps at 115 vac (Lamp load)

DC Rating: 10 amps at 28 vdc (Resistive load)
5 amps at 28 vdc (Inductive load)
3 amps at 28 vdc (Lamp load)

Type 7 Contact Ratings: one half amperage loads shown above.

Mechanical Life: 500,000 cycles

Action: Momentary snap or push-pull (as specified)

Plunger Travel: .085 inch (approx.)

Operating Force:
- Ser. 20 & 30: 3 to 5 pounds momentary
- ½ to 2 pounds push-pull
- Ser. 22 & 32: 2 to 3 pounds

Weight: .050 pound maximum

Case: Aluminum alloy, 2011 - T3, anodized in accordance with MIL-A-8625

Plunger: Glass-filled nylon

Body: Diallyl phthalate in accordance with MIL-M-14

Terminals: Threaded 2-66 NC-2B

Terminal Hardware: Solder-type wire terminals, with terminal mounting screws and lockwashers, supplied with each switch.


Special: Additional types of mounting, button styles, colors, and other variations are available on special order.

**CONTACT ARRANGEMENTS**

- ![Contact Arrangements Image]

**BUTTON COLORS and STYLES**

1. SWITCHES WITH ADAPTERS - The button height dimension shown for both series of switches is taken from top of adapter to top of button. Buttons numbers 1, 3, (push-pull), 5 and 7 are for the Series 300 dustproof switches. Buttons 2, 4 and 6 are for the Series 200 standard switches.

   ![Button Colors Image]

<table>
<thead>
<tr>
<th>SWITCHES WITH ADAPTERS (SEE NOTE 1)</th>
<th>SWITCHES WITHOUT ADAPTERS (SEE NOTE 2)</th>
</tr>
</thead>
<tbody>
<tr>
<td>![Button Image]</td>
<td>![Button Image]</td>
</tr>
</tbody>
</table>

   **BLACK OR RED BUTTONS ARE AVAILABLE FROM STOCK**

2. SWITCHES WITHOUT ADAPTERS - The button height dimension shown for Series 300 switches is taken from top of rubber boot to top of button. Button numbers 1, 3 (push-pull), 5 and 7 are for Series 300 dustproof switches. The only button available for Series 200 switches is the Number 2. The button height dimension shown is taken from the top of the housing to the top of the button.
SWITCH SERIES
20 - Standard momentary or push-pull switches
22 - Standard switches with 2-pound operating force
30 - Dustproof momentary or push-pull switches
32 - Dustproof switches with 2-pound operating force

ADAPTER TYPE
O - Basic switch (no adapter)
A - Switch with MIL type A adapter
B - Switch with MIL type B adapter
C - Switch with MIL type C adapter
D - Switch with MIL type D adapter
E - Switch with MIL type E adapter
F - Switch with MIL type F adapter
G - Switch with MIL type G adapter
H - Switch with MIL type H adapter

ADAPTER COLOR
B - Standard color, black
R - Red
C - Clear metal (aluminum)
O - Without adapter

For switches with configurations and characteristics covered by MIL-S-8805/3, use the following table to convert from MIL to NEXUS part numbers. Order the NEXUS switch number shown in BOLD FACE below the MS25089 number. For white buttons, substitute W for B in the NEXUS part number.

<table>
<thead>
<tr>
<th>MOUNTING</th>
<th>SWITCH ACTION</th>
<th>BUTTON COLOR</th>
<th>CONTACT 1</th>
<th>CONTACT 2</th>
<th>CONTACT 3</th>
<th>CONTACT 4</th>
<th>CONTACT 5</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>MOMENTARY</td>
<td>Black</td>
<td>MS25089-1A</td>
<td>MS25089-2A</td>
<td>MS25089-3A</td>
<td>MS25089-4A</td>
<td>MS25089-5A</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Red</td>
<td>MS25089-1AR</td>
<td>MS25089-2AR</td>
<td>MS25089-3AR</td>
<td>MS25089-4AR</td>
<td>MS25089-5AR</td>
</tr>
<tr>
<td>B</td>
<td>MOMENTARY</td>
<td>Black</td>
<td>MS25089-1B</td>
<td>MS25089-2B</td>
<td>MS25089-3B</td>
<td>MS25089-4B</td>
<td>MS25089-5B</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Red</td>
<td>MS25089-1BR</td>
<td>MS25089-2BR</td>
<td>MS25089-3BR</td>
<td>MS25089-4BR</td>
<td>MS25089-5BR</td>
</tr>
<tr>
<td>C</td>
<td>MOMENTARY</td>
<td>Black</td>
<td>MS25089-1C</td>
<td>MS25089-2C</td>
<td>MS25089-3C</td>
<td>MS25089-4C</td>
<td>MS25089-5C</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Red</td>
<td>MS25089-1CR</td>
<td>MS25089-2CR</td>
<td>MS25089-3CR</td>
<td>MS25089-4CR</td>
<td>MS25089-5CR</td>
</tr>
<tr>
<td>D</td>
<td>PUSH-PULL</td>
<td>Black</td>
<td>MS25089-1D</td>
<td>MS25089-2D</td>
<td>MS25089-3D</td>
<td>MS25089-4D</td>
<td>MS25089-5D</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Red</td>
<td>MS25089-1DR</td>
<td>MS25089-2DR</td>
<td>MS25089-3DR</td>
<td>MS25089-4DR</td>
<td>MS25089-5DR</td>
</tr>
</tbody>
</table>

CONVERSION TABLE
MIL-S-8805 (3 T) E NUMBERS and NEXUS EQUIVALENTS