

# Military Switch Guide

OTTO offers over 3500 military qualified switches\*

## Pushbutton

<b>MS25089-1AR</b> • OTTO PN P1-12121 • 4 lb. momentary, snap action • Case style A • Screw terminal style • Normally open circuit form • 10A @ 28VDC or 115VAC	<b>M8805/96-012</b> • OTTO PN PE-2212 • Momentary action • Compact design • Dusttight • Normally closed circuit form • 5A @ 28VDC	<b>M8805/110-1412</b> • OTTO PN P7-111222 • Momentary, subminiature, sealed • Press fit mount • Solder terminals, short style • Normally open circuit form • Low level – 10mA @ 30mV	<b>M8805/110-6468</b> • OTTO PN P7-616228 • Momentary, subminiature • 15/32" threaded bushing • Solder terminals, short style • 2-circuit circuit form • Low level – 10mA @ 30mV
<b>MS25089-1EWL</b> • OTTO PN P1-54129 • 4 lb. momentary, snap action • Case style E • Screw terminal style, low level • Normally open circuit form • 10mA @ 30mV max DC or peak AC	<b>M8805/96-013</b> • OTTO PN PE-1221 • Momentary action • Compact design • Dusttight • Normally open circuit form • 5A @ 28VDC	<b>M8805/110-1561</b> • OTTO PN P7-136221 • Momentary, subminiature, watertight • Press fit mount • Solder terminals, short style • 2-circuit circuit form • Low level – 10mA @ 30mV	<b>M8805/110-6555</b> • OTTO PN P7-635225 • Momentary, subminiature, watertight • 15/32" threaded bushing • Solder terminals, short style • 5 terminal circuit form • Low level – 10mA @ 30mV
<b>MS25089-3B</b> • OTTO PN P1-22622 • 4 lb. momentary, snap action • Case style B • Screw terminal style • 2-circuit circuit form • 10A @ 28VDC or 115VAC	<b>M8805/99-031</b> • OTTO PN PE2-31211 • Momentary snap action • Dress Ring Style C • Splashproof • DPDT circuit form • 2A @ 28VDC	<b>M8805/110-2562</b> • OTTO PN P7-236222 • Momentary, subminiature, watertight • Press fit mount • Solder terminals, short style • 2-circuit circuit form • Low level – 10mA @ 30mV	<b>M8805/110-7111</b> • OTTO PN P7-711121 • Momentary, subminiature • Press fit mount • Solder terminals, short style • Normally open circuit form • 5A @ 28VDC
<b>MS25089-3F</b> • OTTO PN P1-62622 • 4 lb. momentary, snap action • Case style F • Screw terminal style • 2-circuit circuit form • 10A @ 28VDC or 115VAC	<b>M8805/99-038</b> • OTTO PN PE2-21131 • Momentary snap action • Dress Ring Style B • Splashproof • 2-circuit circuit form • 2A @ 28VDC	<b>M8805/110-3216</b> • OTTO PN P7-331126 • Momentary, subminiature, watertight • Bezel/threaded bushing • Solder terminals, short style • Normally open circuit form • 5A @ 28VDC	<b>M8805/110-7312</b> • OTTO PN P7-751122 • Momentary, subminiature • Press fit mount • PC pin terminals • Normally open circuit form • 5A @ 28VDC
<b>MS25089-4CR</b> • OTTO PN P1-32421 • 4 lb. momentary, snap action • Case style C • Screw terminal style • Normally open 3 terminal circuit form • 10A @ 28VDC or 115VAC		<b>M8805/110-3469</b> • OTTO PN P7-316229 • Momentary, subminiature • Bezel/threaded bushing • Solder terminals, short style • 2-circuit circuit form • Low level – 10mA @ 30mV	<b>M8805/110-8168</b> • OTTO PN P7-816128 • Momentary, subminiature • Press fit mount, guarded button • Solder terminals, short style • 2-circuit circuit form • 5A @ 28VDC
<b>MS25089-4GR</b> • OTTO PN P1-72421 • 4 lb. momentary, snap action • Case style G • Screw terminal style • Normally open 3 terminal circuit form • 10A @ 28VDC or 115VAC	<b>MS25089-4HW</b> • OTTO PN P1-82429 • 4 lb. momentary, snap action • Case style H • Screw terminal style • Normally open 3 terminal circuit form • 10A @ 28VDC or 115VAC	<b>M8805/110-5761</b> • OTTO PN P7-566121 • Momentary, subminiature, watertight • 1/4" threaded bushing • PC pin terminals • 2-circuit circuit form • 5A @ 28VDC	<b>M8805/110-8242</b> • OTTO PN P7-834122 • Momentary, subminiature, watertight • Press fit mount, guarded button • Solder terminals, short style • Normally open 3 terminal circuit form • 5A @ 28VDC

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Basic	Trim	Toggle	
<b>M8805/101-007</b> <ul style="list-style-type: none"> <li>OTTO PN B3-11141</li> <li>0.156" width</li> <li>PC pin terminals</li> <li>5 <math>\pm</math> <math>\frac{3}{2}</math> operating force</li> <li>SPDT-DB, Form Z circuitry</li> <li>5A @ 28VDC</li> </ul>	<b>M9419/2-001</b> <ul style="list-style-type: none"> <li>OTTO PN T4-0015</li> <li>Momentary, 4-way toggle</li> <li>Return to center OFF</li> <li>Dusttight</li> <li>1A @ 28 VDC</li> </ul>	<b>MS24523-27</b> <ul style="list-style-type: none"> <li>OTTO PN T9-MSI-27</li> <li>15/32-3 threaded bushing</li> <li>(ON)-OFF-(ON) ( ) denotes momentary</li> <li>Single pole</li> <li>4A @ 28VDC</li> </ul>	<b>MS24659-23D</b> <ul style="list-style-type: none"> <li>OTTO PN T9-MS2-23D</li> <li>15/32-32 threaded bushing</li> <li>On-NONE-ON</li> <li>Locked out of center position</li> <li>Double pole</li> <li>7A @ 28VDC</li> </ul>
<b>M8805/101-020</b> <ul style="list-style-type: none"> <li>OTTO PN B3-15132</li> <li>0.156" width</li> <li>Right angle PC pin terminals</li> <li>5 <math>\pm</math> <math>\frac{3}{2}</math> operating force</li> <li>SPDT, Form C circuitry</li> <li>5A @ 28VDC</li> </ul>	<b>M9419/2-004</b> <ul style="list-style-type: none"> <li>OTTO PN T4-0020</li> <li>Momentary, 4-way toggle</li> <li>Return to center OFF</li> <li>Dusttight</li> <li>1A @ 28 VDC</li> </ul>	<b>MS24655-271</b> <ul style="list-style-type: none"> <li>OTTO PN TE-21151</li> <li>Miniature, non-teasable</li> <li>1/4-40 bushing</li> <li>Single pole</li> <li>(ON)-OFF-(ON) ( ) denotes momentary</li> </ul>	<b>MS27407-4</b> <ul style="list-style-type: none"> <li>OTTO PN T9-MS2-04</li> <li>15/32-32 threaded bushing</li> <li>ON-ON-ON</li> <li>Double pole</li> <li>7A @ 28VDC</li> </ul>
<b>M8805/106-01</b> <ul style="list-style-type: none"> <li>OTTO PN B2-200031</li> <li>0.200" width</li> <li>Single turret terminals</li> <li>5 oz. max operating force</li> <li>0.002" movement differential</li> <li>7A @ 28VDC</li> </ul>	<b>M8805/100-016</b> <ul style="list-style-type: none"> <li>OTTO PN P6-24008</li> <li>Sealed limit switch</li> <li>9<math>\pm</math>3 lbs. actuating force</li> <li>4PDT circuit form</li> <li>7A @ 28VDC</li> </ul>	<b>Limit</b>	<b>MS27717-23-1</b> <ul style="list-style-type: none"> <li>OTTO PN T3-21231</li> <li>Miniature toggle</li> <li>1/4-40 threaded bushing</li> <li>Single turret terminal style</li> <li>Double pole circuitry</li> </ul>
<b>M8805/109-01</b> <ul style="list-style-type: none"> <li>OTTO PN B2-111351</li> <li>0.156" width</li> <li>Single turret terminals</li> <li>5 oz. max operating force</li> <li>0.005" movement differential</li> </ul>	<b>M8805/104-004</b> <ul style="list-style-type: none"> <li>OTTO PN P6-10003</li> <li>Sealed limit switch</li> <li>9<math>\pm</math>3 lbs. actuating force</li> <li>4PDT circuit form</li> <li>7A @ 28VDC</li> </ul>	<b>MS27240-3</b> <ul style="list-style-type: none"> <li>OTTO PN P6-14000</li> <li>Sealed limit switch</li> <li>9<math>\pm</math>3 lbs. actuating force</li> <li>DPDT circuit form</li> <li>7A @ 28VDC</li> </ul>	<b>MS27718-21-1</b> <ul style="list-style-type: none"> <li>OTTO PN T3-11111</li> <li>Miniature toggle</li> <li>15/32-32 threaded bushing</li> <li>Single turret terminal style</li> <li>Single pole circuitry</li> </ul>
<b>MS24547-5</b> <ul style="list-style-type: none"> <li>OTTO PN B2-212353</li> <li>0.200" width</li> <li>Double turret terminals</li> <li>5 oz. max operating force</li> <li>0.005" movement differential</li> <li>7A @ 28VDC</li> </ul>	<b>Noteworthy Designs</b>	<b>M8805/111-01</b> <ul style="list-style-type: none"> <li>OTTO PN U2-016</li> <li>Momentary trigger switch</li> <li>DPDT circuit form</li> <li>7A @ 28VDC</li> </ul>	<b>MS25224-1</b> <ul style="list-style-type: none"> <li>OTTO PN TG-00001</li> <li>Toggle guard assembly</li> <li>Force to open/close is 1 lb. to 2.5 lbs.</li> <li>Fits onto 15/32 bushing with Keyway toggles</li> </ul>
<b>MS27217-1</b> <ul style="list-style-type: none"> <li>OTTO PN B5-21141</li> <li>Solder terminal style</li> <li>5 <math>\pm</math> <math>\frac{3}{2}</math> operating force</li> <li>SPDT-DB, Form Z circuitry</li> <li>10A @ 28VDC</li> </ul>			
			<b>MS90311-311</b> <ul style="list-style-type: none"> <li>OTTO PN TE-11261</li> <li>Miniature, non-teasable</li> <li>15/32-32 bushing</li> <li>Double pole</li> <li>ON-OFF-(ON) ( ) denotes momentary</li> </ul>

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