

SUBMINIATURE DOUBLE BREAK, SNAP-ACTION COMMERCIAL & MILITARY GRADES

B5 series basic switches are subminiature in size and feature up to 10 amps switching capability of 100,000 cycles. Mechanical life is 1 million cycles.

The molded housing is rugged and structurally stable. The terminals are sealed against solder flux entering the switch and are bright acid tin plated for excellent solderability.

A variety of actuators for pushbutton, toggle and lever actuation are available in standard and custom configurations.

## Features:

- Up to 10 amps switching capability
- High contact pressure
- Precision operating points
- Button accepts actuation directly from cam
- Constructed in accordance with MIL-PRF-8805/7
- Available in Commercial & Military grades
- Choice of three standard terminal styles
- UL recognized
- B5-21141 QPL to MS27217-1



Quick Connect  
Terminal Style



### Standard Characteristics/Ratings:

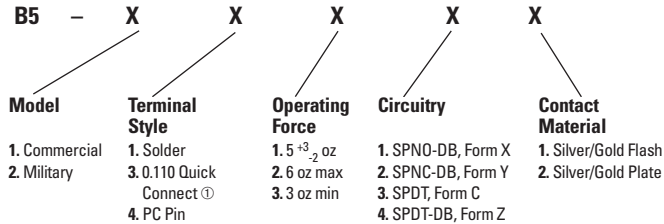
#### ELECTRICAL RATINGS:

Circuitry	Load	Sea Level @ 28VDC or @ 115VAC, 60Hz	70,000 feet @ 28VDC or @ 115VAC, 60Hz	Sea Level @ 125/250VAC, 60Hz
SPNO-DB & SPNC-DB	Resistive	10A	10A	10.1A
	Inductive*	7.5A	3.5A	5A
	Lamp	4A	N/A	3A
SPDT-DB 2 Circuit	Resistive	10A	10A	10.1A
	Inductive*	5A	2A	5A
	Lamp	3A	N/A	1.5A
SPDT	Resistive	10A	10A	10.1A
	Inductive*	3A	1.5A	N/A
	Lamp	3A	N/A	N/A

\*L/R = 0.026

<b>Electrical Life:</b>	100,000 cycles
<b>Mechanical Life:</b>	1 million cycles
<b>Seal:</b>	Unsealed
<b>Operating Temp Range:</b>	-65°C to +125°C
<b>Operating Force:</b>	5 oz, +3/-2 oz or 6 oz max or 3 oz min
<b>Release Force:</b>	2 oz min
<b>Operate Point:</b>	0.406 +/- 0.010 inches from mounting holes
<b>Overtravel:</b>	0.012 inches min
<b>Movement Differential:</b>	0.020 +/- 0.005 inches
<b>Pretravel:</b>	0.050 inches max
<b>MATERIALS:</b>	
<b>Case:</b>	Thermoset, blue
<b>Cover:</b>	Thermoset, blue
<b>Button:</b>	Thermoplastic, black
<b>Terminals:</b>	End or front solder type brass with bright acid tin plating
<b>Contacts:</b>	Stationary: Silver with gold flash or silver with gold plate Moveable: Silver or gold flash
<b>Terminal Hardware:</b>	None provided
<b>Mounting Hardware:</b>	None provided

### B5 PART NUMBER CODE



① Mates with AMP Series 110 receptacles.

