

SUBMINIATURE DOUBLE BREAK, SNAP ACTION MILITARY & COMMERCIAL GRADES

B5 series basic switches are subminiature in size and feature a 10 amps switching capacity for a minimum of 100,000 cycles. Mechanical life is over 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:

- 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 Military & Commercial grades
- Choice of three standard terminal styles
- UL recognized
- B5-21141 QPL to MS27217-1



Standard Characteristics/Ratings:

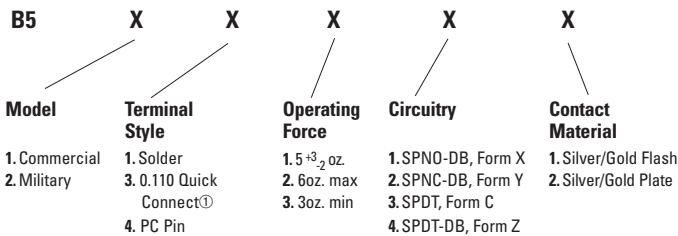
ELECTRICAL RATINGS: (at 28VDC or 115VAC, 60Hz)

| Circuitry | Load | Rating Sea level | Rating 70,000 feet | Rating 125/250VAC 60Hz Sea Level |
|-----------|------------|------------------|--------------------|----------------------------------|
| SPNO-DB & | Resistive | 10A | 10A | 10.1A |
| SPNC-DB | Inductive* | 7.5A | 3.5A | 5A |
| | Lamp | 4A | N/A | 3A |
| SPDT-DB | Resistive | 10A | 10A | 10.1A |
| 2 Circuit | 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 mean

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

B5 PART NUMBER CODE



① Mates with AMP Series 110 receptacles.

