

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

Electrical Life: 100,000 cycles

Mechanical Life: 1 million cycles

Seal: Unsealed

Operating Temp Range: -65°C to +125°C

Operating Force: 5 oz, +3/-2 oz or 6 oz max or 3 oz min

Release Force: 2 oz 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, black

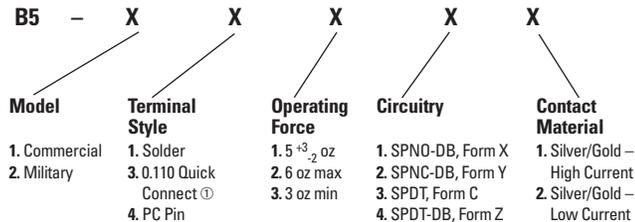
Terminals: End or front solder type brass with bright acid tin plating

Contacts: Stationary: Silver with gold flash or silver with gold plate
Moveable: Silver or gold flash

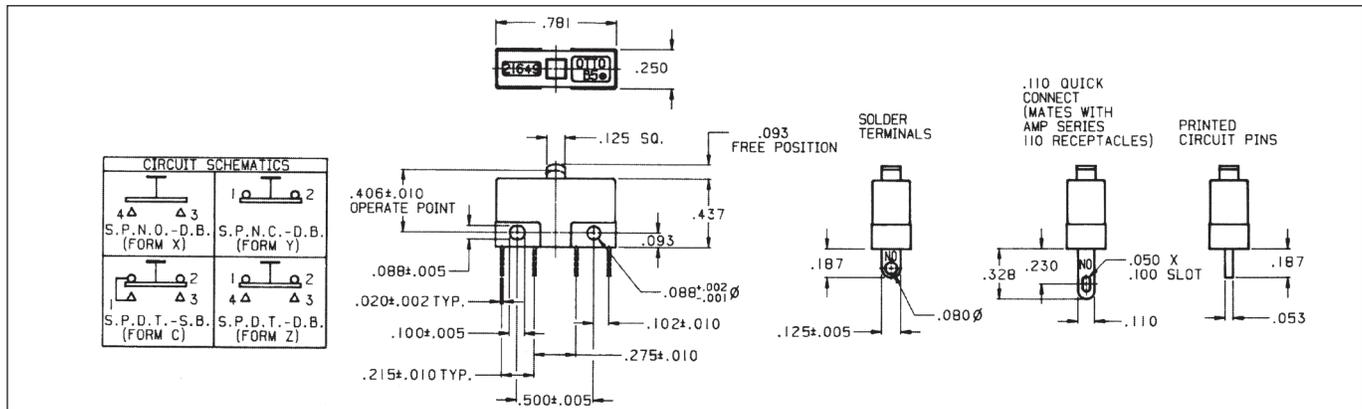
Terminal Hardware: None provided

Mounting Hardware: None provided

B5 PART NUMBER CODE



① Mates with AMP Series 110 receptacles.



DOUBLE POLE, 4 CIRCUIT SUBMINIATURE

COMMERCIAL & MILITARY GRADES, SNAP-ACTION, DOUBLE BREAK BASIC SWITCHES

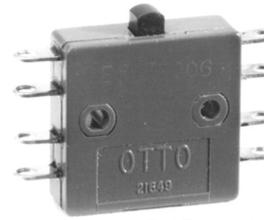
Two switches in one case! The B5-7 series basic switches are subminiature in size but feature up to 10 amps switching capability of 100,000 cycles.

The molded housing is rugged and structurally stable. The terminals are sealed against solder flux entering the switch and are bright acid tin plate brass for excellent solderability. B5-71 has end terminals; B5-72 has front terminals.

A variety of custom configured actuators for pushbutton, toggle and lever actuation are available.

Features:

- Up to 10 amps switching capability
- Simultaneity of both poles to within 0.004"
- Button accepts actuation directly from cam
- Constructed in accordance with MIL-PRF-8805
- Available in Commercial & Military grades
- Gold flash or gold plate contacts
- Choice of end or front terminals



End Terminal Style



Front Terminal Style

Standard Characteristics/Ratings:

ELECTRICAL RATINGS: See chart below

Electrical Life:	50,000 cycles
Mechanical Life:	100,000 cycles
Seal:	Unsealed
Operating Temp Range:	-65°C to +125°C
Operating Force:	12 +/- 4 oz
Release Force:	5 oz min
Operate Point:	0.396 +/- 0.010 inches from mounting holes
Overtravel:	0.012 inches min
Simultaneity:	Within 0.004 inches
Movement Differential:	0.020 +/- 0.010 inches
Pretravel:	0.050 inches max

MATERIALS:

Case:	Thermoset, blue
Cover:	Thermoset, blue
Button:	Thermoplastic, black
Terminals:	End or front solder type brass with bright acid tin plating
Contacts:	Silver with gold flash
Terminal Hardware:	None provided
Mounting Hardware:	None provided

Catalog Number	Type of Load	Sea Level @ 28VDC DPDT	Sea Level @ 28VDC 4 Circuit	Sea Level @ 115VAC, 60Hz DPDT	Sea Level @ 115VAC, 60Hz 4 Circuit	70,000 feet @ 28VDC DPDT	70,000 feet @ 28VDC 4 Circuit	Contact Plating Over Silver
B5-71001 & B5-72001	Resistive	10A	10A	7.5A	5A	10A	10A	
B5-71001	Inductive*	7.5A	5A	5A	5A	3.5A	2A	Gold Flash
B5-72001	Inductive	5A	2A	5A	5A	3.5A	2A	Gold Flash
B5-71001 & B5-72001	Lamp	4A	3A	3A	1.5A	N/A	N/A	
B5-71004	Resistive	5A	5A	N/A	N/A	5A	5A	Gold Plate
B5-72004	Inductive*	3A	3A	N/A	N/A	3A	3A	Gold Plate
B5-71002 Low Level	Resistive	1A	1A	N/A	N/A	1A	1A	Gold Plate
B5-72002 Low Level	Inductive*	0.5A	0.5A	N/A	N/A	0.5A	0.5A	Gold Plate
Dielectric Withstand:		1050Vrms	1050Vrms	1050Vrms	1050Vrms	400Vrms	400Vrms	

*L/R = 0.026

