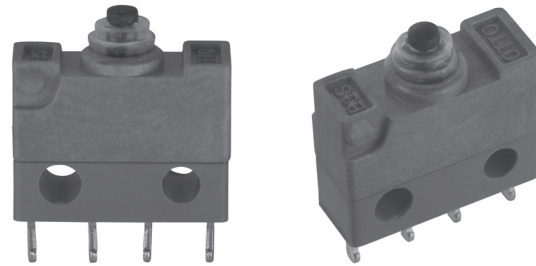


SEALED, DOUBLE BREAK, SNAP-ACTION, SUBMINIATURE

OTTO's sealed, double break B3S basic switch is designed for demanding applications that require a reliable seal. Sealed to IP68S, the B3S basic switch has a high cycle life - tested to 1 million cycles at logic level. The switch is also capable of handling up to an 8 amp resistive load.

Great double break circuit versatility is available with your choice of normally open (Form X), normally closed (Form Y), 3 terminal SPDT (Form C) or 4 terminal SPDT (Form Z).

The B3S is designed for use in places where space is limited, with or without lever actuators. In addition, the switch can be used as part of pushbutton, trigger and toggle switches that require sealing for demanding applications. Multiple terminal styles and wire lead options are available.

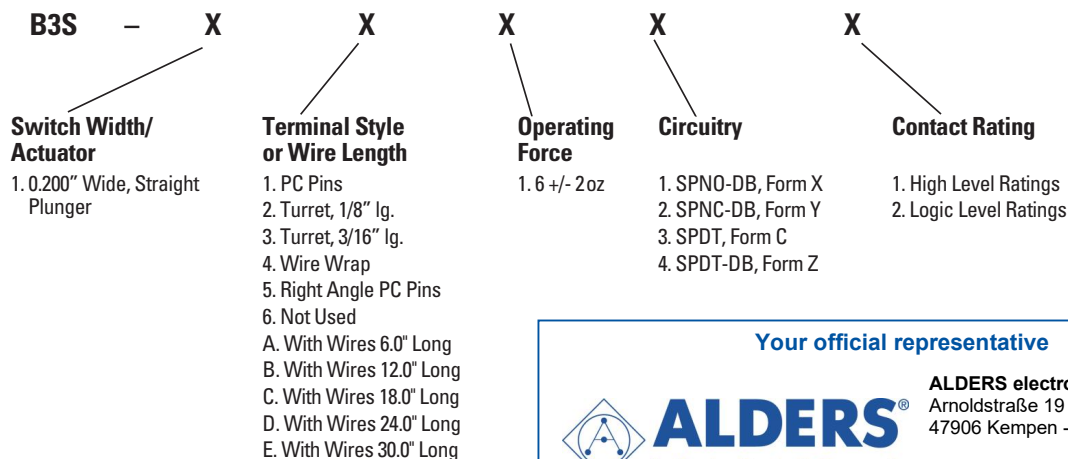


Features:

- Sealed to IP68S
- Double break circuit
- Logic level switching option tested to 1 million electrical cycles
- 0.200" switch width
- Choice of 10 standard terminal styles or wire leads
- Lever actuators are also available
- Momentary action
- RoHS compliant

B3S Standard Characteristics/Ratings:			
ELECTRICAL RATINGS:		Sea Level @ 28VDC	
Rating	Load	Current	Life Cycles
High Level N.C. or N.O. Form C	Resistive	8A	50,000
High Level N.C. or N.O. Form Z	Resistive	8A	50,000
High Level SPDT Form C	Resistive	5A	50,000
High Level SPDT Form Z	Resistive	5A	50,000
Logic Level @ 5VDC	Resistive	10mA	1,000,000
DWV	1000Vrms		
Mechanical Life:	1,000,000 cycles		
Seal:	IP68S		
Operating Temp Range:	-40°C to +85°C		
Operating Force:	6 ± 2 oz.		
Overtravel:	.004 min.		
Release Force:	1 oz. min.		
Movement Differential:	.018 +/- .008		
MATERIALS:			
Cover:	Blue Thermoplastic		
Case:	Blue Thermoset		
Boot:	Silicone Rubber		

B3S PART NUMBER CODE



Your official representative

ALDERS[®]
Indicate. Control. Connect.

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47906 Kempen - Germany

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SEALED, DOUBLE BREAK, SNAP-ACTION, SUBMINIATURE

BASIC SWITCH
(APPLIES TO ALL SWITCHES IN THIS DRAWING)

* Please note: The free position and operate point are not the same as the B3.

TERMINAL STYLE 1
PC PINS

TERMINAL STYLE 5
RIGHT ANGLE PC PINS

TERMINAL STYLE 2
TURRET, 1/8" LONG

TERMINAL STYLE 3
TURRET, 3/16" LONG

WIRE TERMINAL STYLES

24 AWG

TERMINAL NO.	WIRE COLOR
1	BROWN
2	YELLOW
3	RED
4	BLUE

WIRE LENGTH FOR A, B, C, D & E

WIRE LENGTH CODE	DIM. "X"	DIM. "Y"
A	06.00±.38	06.09±.38
B	12.00±.50	12.09±.50
C	18.00±.50	18.09±.50
D	24.00±.50	24.09±.50
E	30.00±.75	30.09±.75

TERMINAL STYLE 4
WIRE WRAP

SPST-NO-DB
SCHEMATIC
CIRCUIT STYLE 1
SPNO-DB, FORM X

SPST-NC-DB
SCHEMATIC
CIRCUIT STYLE 2
SPNC-DB, FORM Y

SPDT-FORM C
SCHEMATIC
CIRCUIT STYLE 3
SPDT, FORM C

SPDT-DB
SCHEMATIC
CIRCUIT STYLE 4
SPDT-DB, FORM Z