B2D Reduced Dead Break

The B2D is a single break, snap action, subminiature basic switch with reduced dead break. It is designed for pressure transducers, level sensors and other applications where the difference between the breaking of the first circuit and the making of the second circuit needs to be as close as possible to zero.

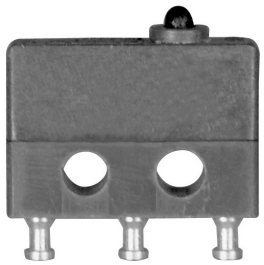
As multi-circuit switches change from one circuit to another, there is always a small amount of time or distance where the actuator is depressed and the switch is not connected to either circuit. Dead break is the distance of actuator travel to cause the switch to transfer from one circuit to the other. OTTO's B2D closes that gap quicker than a traditional basic switch. It will outperform most switches when the actuator is being depressed very slowly, or when it is important for the application to minimize the time the switch is not connected to either circuit.

Terminal styles include single turret solder style, double turret solder style, Quick Connect, PC pins and wires.

Able to withstand high vibration, OTTO's B2D is ideal for pressure sensing and level sensing in aerospace, off-highway and marine applications.

FEATURES:

- Single break, snap-action, subminiature switch with reduced dead break
- Choice of 0.156" and 0.200" wide models
- Logic level switching capability
- Choice of 13 standard terminal styles or wire leads
- Lever actuators available
- Momentary action
- RoHS compliant



B2D Standard Characteristics/Ratings:		
ELECTRICAL RATINGS:		
Load	**Sea Level @ 28VDC or 115VAC, 60Hz**	**50,000 feet @ 28VDC**
Resistive	2A	1A
Inductive	1A	0.5A
DWV	1000Vrms	400Vrms
Logic Level	10mA at 5VDC	10mA at 5VDC
Electrical Life:	Up to 50,000 cycles	
Mechanical Life:	Up to 50,000 cycles	
Seal:	Unsealed	
Operating Temp Range:	-55°C to +85°C	
Operating Force:	10 oz max	
Release Force:	1.0 oz min	
Operate Point:	0.320 +/- 0.015 inches from mounting holes	
Overtravel:	0.004 inches min	
Movement Differential:	0.003 inches max	
Pretravel:	0.020 inches max	
Initial Dead Break:	0.0004 inches max	
MATERIALS:		
Cover:	Thermoplastic, blue	
Button:	Thermoplastic, black	
Terminal Hardware:	None provided	
Mounting Hardware:	None provided	

B2D Basic Switch
Part Number Code

B2D -	X	X	X	X	X	X
	Model (Width/ Construction)	**Actuator Style**	**Terminal Style**	**Operating Force/Max. Initial Dead Break**	**Movement Differential**	**Switch Ratings**
	1. 0.156" Wide **2.** 0.200" Wide	**1.** Button	**1.** Single Solder Turret **2.** Double Solder Turret **3.** Quick Connect **4.** PC Pin 0.150" long **5.** PC Pin 0.270" long **6.** PC Pin 0.090" long **7.** Right Angle PC Pin **9.** Right Angle, Opposite of 7 **A.** With 24 AWG Wires 06.0" long **B.** With 24 AWG Wires 12.0" long **C.** With 24 AWG Wires 18.0" long **D.** With 24 AWG Wires 24.0" long **E.** With 24 AWG Wires 30.0" long	**1.** 6 oz max / 0.0004" **2.** 10 oz max / 0.0004"	**1.** 0.003" max	**1.** High Level Ratings **3.** Logic Level Ratings

Your official representative

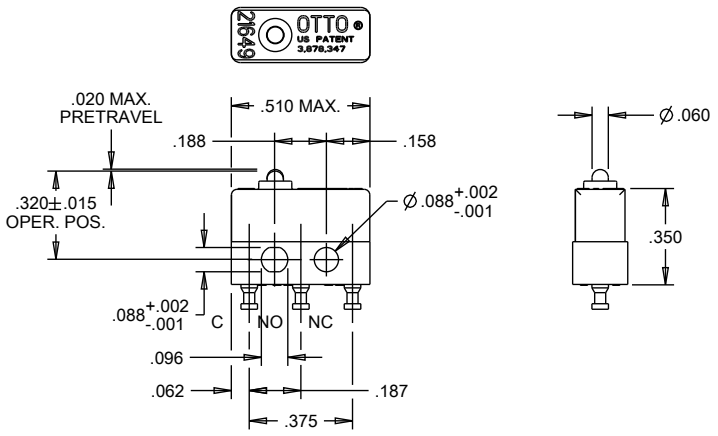
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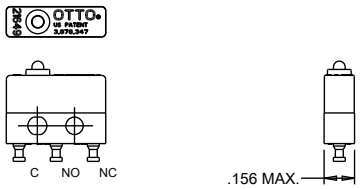
+49 2152 8955-0
sales@alders.de /

Specifications Subject To Change Without Notice

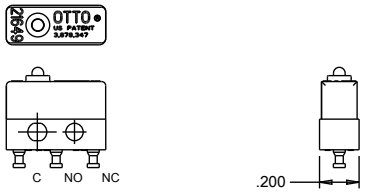
BASIC SWITCH
(APPLIES TO ALL SWITCHES IN THIS DRAWING)



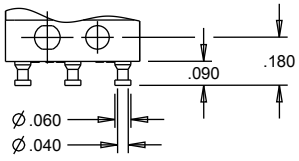
MODEL *(WIDTH/CONSTRUCTION)* 1
0.156" WIDE



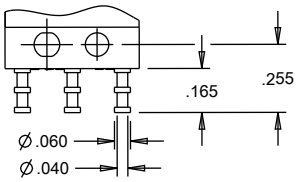
MODEL *(WIDTH/CONSTRUCTION)* 2
0.200" WIDE



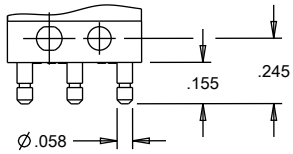
TERMINAL STYLE 1
SINGLE SOLDER TURRET



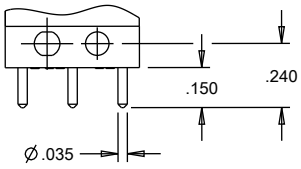
TERMINAL STYLE 2
DOUBLE SOLDER TURRET



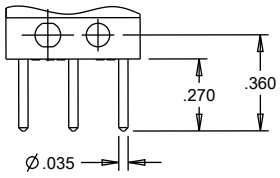
TERMINAL STYLE 3
QUICK CONNECT MATES WITH AMP .058 RECEPTACLES



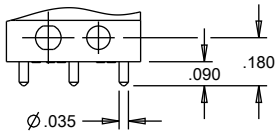
TERMINAL STYLE 4
PRINTED CIRCUIT PIN 0.150" LONG



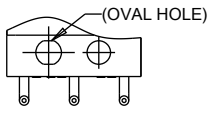
TERMINAL STYLE 5
PRINTED CIRCUIT PIN 0.270" LONG



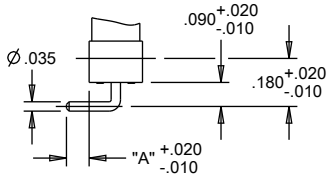
TERMINAL STYLE 6
PRINTED CIRCUIT PIN 0.090" LONG



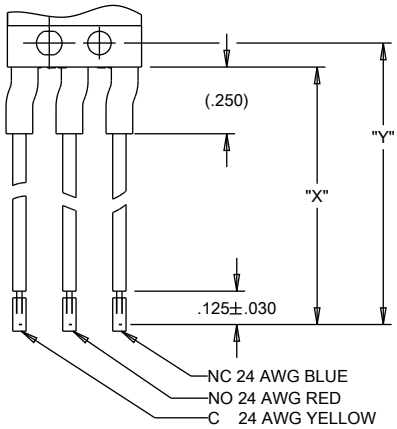
TERMINAL STYLE 7
RIGHT ANGLE PRINTED CIRCUIT PIN



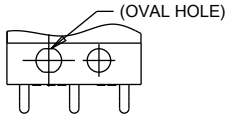
SWITCH WIDTH	DIM. "A"
.156	.110
.200	.085



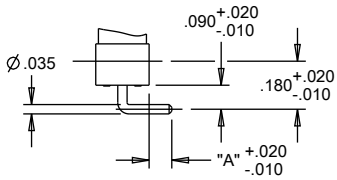
WIRE TERMINAL STYLES



TERMINAL STYLE 9
RIGHT ANGLE, OPPOSITE OF 7



SWITCH WIDTH	DIM. "A"
.156	.110
.200	.085



WIRE LENGTH FOR A, B, C, D and 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