

DH Series

Ultra Miniature Snap-Action Switches



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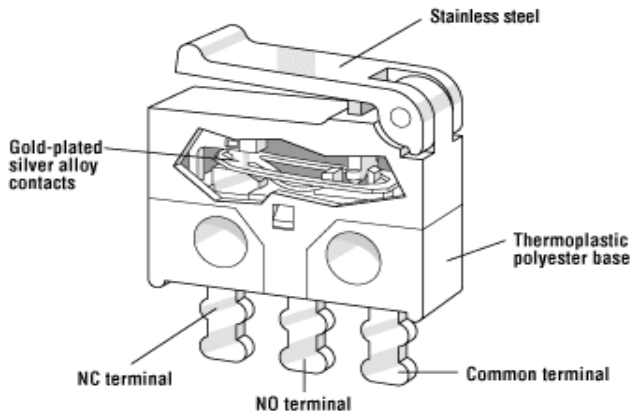
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Features

- Small dimensions, just 0.323" x 0.106" x 0.244" (8.2mm x 2.7mm x 6.2mm)
- Specially designed for low switching currents and voltages
- Available with or without integrated auxiliary actuator
- Can be fitted to circuit boards in upright position or horizontally with formed terminals



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DH Series



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Electrical Ratings

Cherry DH Series Ultra-Miniature Snap-Action Switch

To download a PDF of the **Cherry Switches Master Catalog**, [click here](#).



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Switch Series	EN61058 Rating	Electrical Rating
DH3	N/A	50 to 300mA @ 30VDC
DH4	N/A	5 to 50mA @ 30VDC

Specifications

Electrical

Temperature Rating: -25 °C to +70°C

Flammability Rating: UL94V-O

Materials

Base: Polyphenylene sulphide (PPS)

Button: Polybutyleneterephthalate (PBT)

Cover: Polybutyleneterephthalate (PBT)

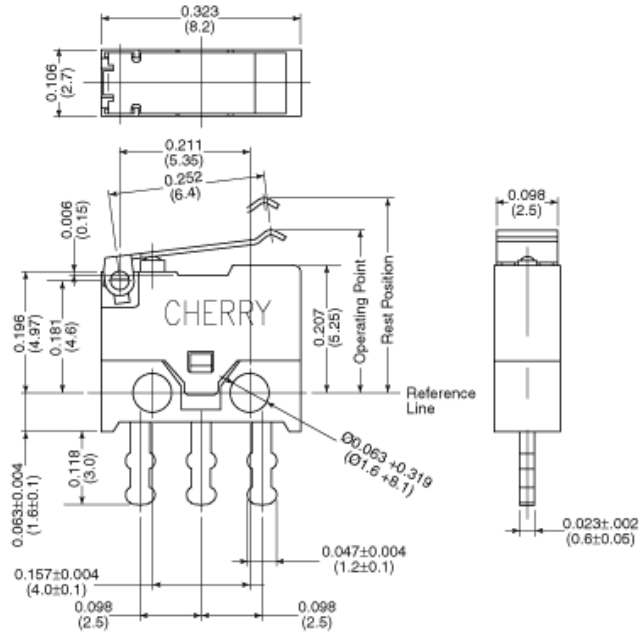
Auxiliary Actuator: Stainless Steel

Terminals: Silver-Plated Brass

Contacts: Silver-Plated Brass (DH3)
Gold-Plated Brass (DH4)

Dimensions

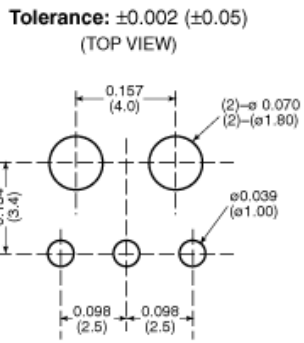
Cherry DH Series Ultra-Miniature Snap-Action Switch



Inches (mm)

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Terminal Options



Inches (mm)

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Mounting

Recommended mounting screw: M1.6
Recommended torque: 9.81 cN*M (1.0 kgf*cm)

Recommended use of a flat washer
and a spring washer for locking.

Actuator Specifications

Actuator Type	Switch Type	Maximum Operating Force (g)	Max. Pre-Travel inches (mm)	Operating Point inches (mm)	Min. Over-Travel inches (mm)	Max. Movement Differential inches (mm)
-AA		90	0.008 (0.2)	0.220 \pm 0.006 (5.6 \pm 0.15)	0.004 (0.1)	0.003 (0.07)
-LA		50	0.051 (1.3)	0.264 \pm 0.020 (6.7 \pm 0.5)	0.012 (0.3)	0.024 (0.6)

Ordering Information

Cherry DH Series Ultra-Miniature Snap-Action Switch

DH		3		C		B1			AA							
Series/Prefix		Code		Contact Configuration		Code			Terminal Type inches (mm)		Terminal Configuration		Code		Actuator Type	
3		C		SPDT		B1			0.051 x 0.122 x 0.020 (1.3 x 3.1 x 0.5)				AA		Button	
4						C4			0.025 x 0.122 x 0.020 (0.6 x 3.1 x 0.5)				LA		Simulated Roller	
Current Rating						C5			0.025 x 0.122 x 0.020 (0.6 x 3.1 x 0.5)							
50 to 300mA@30VDC						C6			0.025 x 0.122 x 0.020 (0.6 x 3.1 x 0.5)							
5 to 50mA@30VDC																

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Specifications subject to change without notice.