# **DH ULTRAMINIATURE SWITCH**

## DH ultraminiature switch

- Dimensions only 8.2 mm × 2.7 mm × 6.2 mm
- Designed for low switching currents and voltages
- Available with or without auxiliary actuator
- Solder connection or use lying or standing on a circuit board



### **Technical specifications**

Series	DH <b>0</b>				
Contact configuration	S.P.D.T.				
Contact gap	< 3 mm				
Switching voltage max.	30 V DC				
Switching current	5 to 500 mA DC				
Operating voltage	Max. 90 cN				
Total travel	Approx. 0.85 mm without auxiliary actuator				
Mechanical life	> 50,000 operations				
Electrical life (max. load)	> 30,000 operations				
Ambient temperature	-25°C to +70°C				
Materials					
Housing	PPS (UL 94V-0)				
Cover	PBT (UL 94V-0)				
Auxiliary actuator	PBT (UL 94V-0)				
Terminals	CuZn striped silver-plated				
Contacts	AgNi, gal. Au				
Degree of protection Switch interior	IP40				

# Electrical rating and operating life 2

Electrical rating	Operating life			
	at nominal load	mechanical	Code	
5-500 mA 30 VDC	30,000	50,000	2	

## Circuitry 6

Model	Code
S.P.D.T.	С

## Terminal type 4

Model	Code
Solder terminal, straight, 1.3 x 3.1 mm	B1
PCB terminal, straight, 0.64 x 3.1 mm	C4
PCB terminal, RH side, 0.64 x 3.1 mm	C5
PCB terminal, LH side, 0.64 x 3.1 mm	C6

Generation of order code (example) The order code consists of 5 parameters:					
0	0	0	4	6	
Series	Electrical rating	Circuitry	Terminal type	Auxiliary actuator	
DH = Ultraminiature switch	2 = 5-500 mA, 30 V DC	C = S.P.D.T.	B1 = Solder terminal, straight 1.3 x 3.1	PA = with auxiliary actuator	

- Not every configurable variant is available for order. Please contact us.
- The final two digits of article numbers on commercial documents refer to the index of the respective drawing.

### Auxiliary actuator 6

Auxiliary actuator Ausführung	Operating force max.(cN)	Max. pretravel (mm)	Min. overtravel (mm)	Differential travel max. (mm)	Max. rest position (mm)	Operating point (mm)	Code
Without auxiliary	90	_	0.1	0.07	6.2	5.4 ± 0.15	AA
actuator							
With auxiliary actuator	50	_	0.3	0.6	8.5	6.7 ± 0.5	PA



