

DB Series

Subminiature

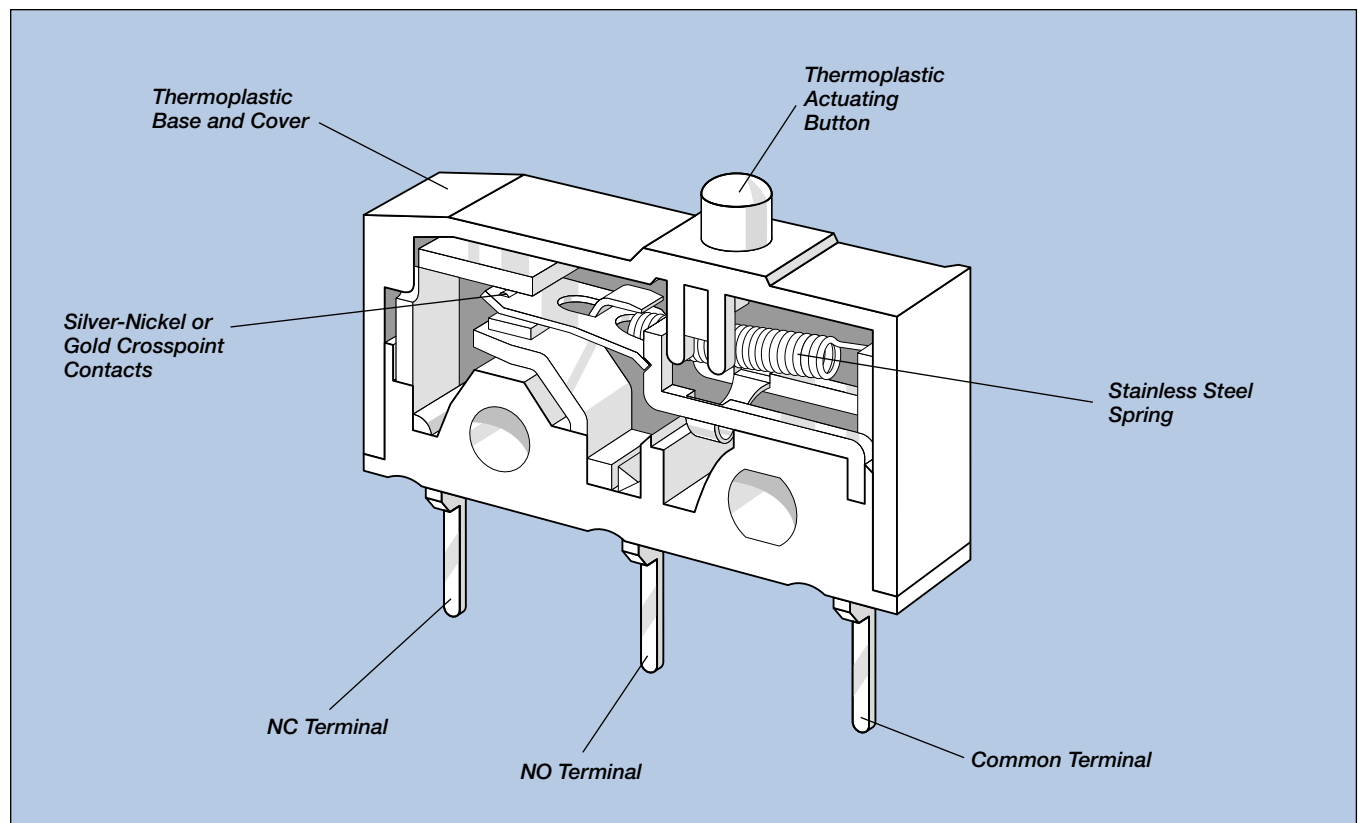
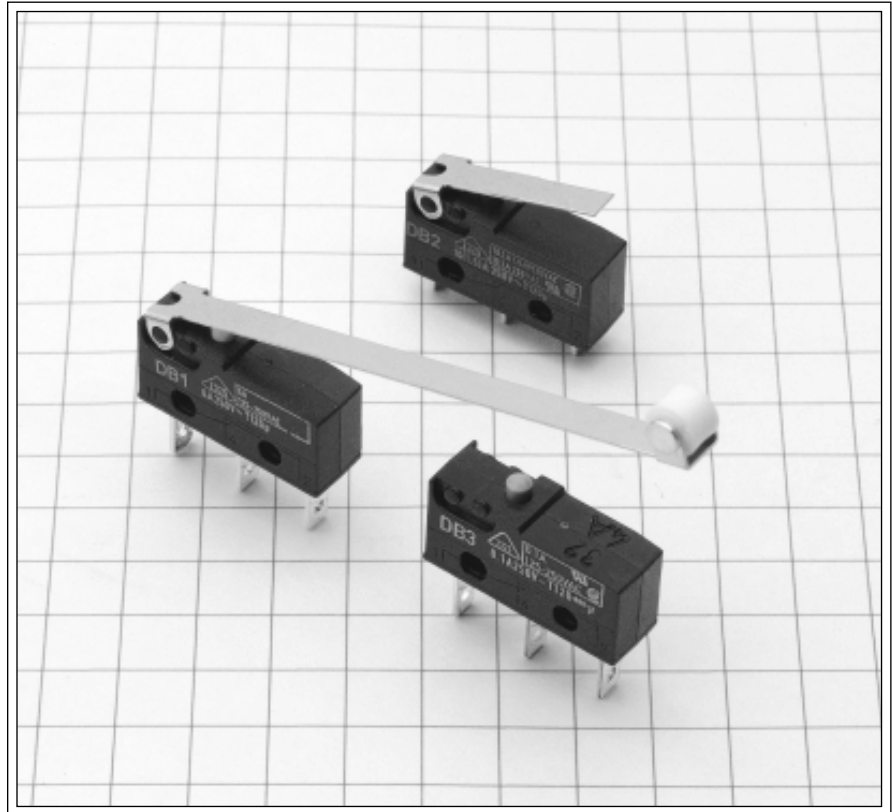
DB1 5.0 amp

DB2 10.1 amp

DB3 0.1 amp

Features

- A variety of solder, Q.C. and PCB type terminals
- Wide range of auxiliary actuators
- Operating force from 150 to 250 gms
- Symmetrical termination
- PCB versions have optional plastic pin for side mounting or stand-off tabs for upright mounting. Auxiliary actuators can be added after PCB mounting
- Round actuating button with radius to provide the minimum frictional resistance
- All terminals sealed



1000

2

Dimensions: Inches (mm)

0.256 (6.5) max.

0.787 (20) max.

0.295 (7.5)

Ø 0.087 (2.2)

Rest Position

Operating Point

0.287 (7.3)

0.272 (6.9)

COM N.O. N.C.

0.262 (6.7)

0.093 (2.36)

0.087 (2.2)

0.098 (2.5)

Reference Line

0.205 (5.2)

0.374 (9.5)

0.020 (0.51)

0.095 (2.4)

0.295 (7.5)

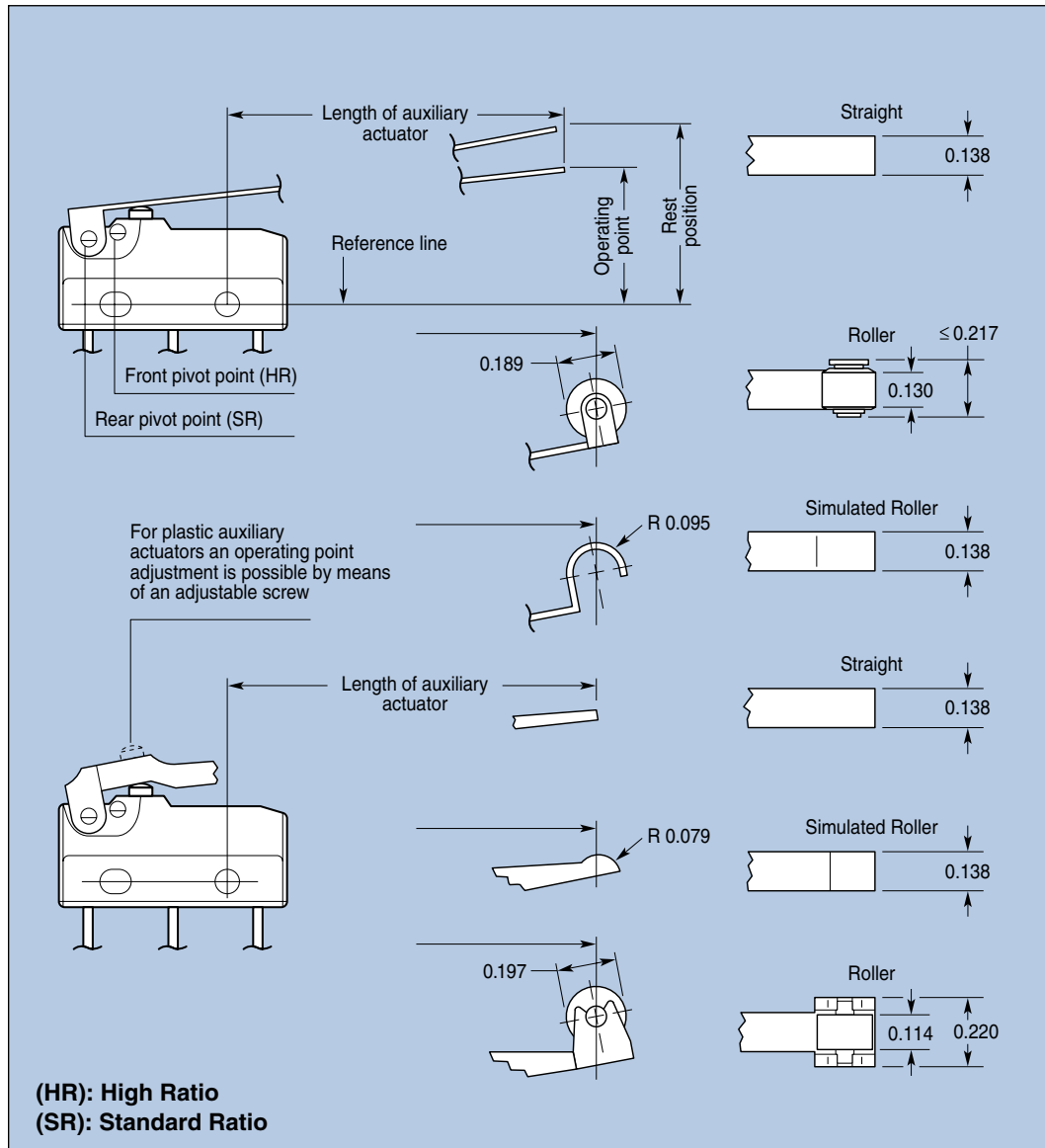


Series Prefix	Rating
DB1	UL 5.0 amp, 125-250 VAC VDE 6 amp, 250V Silver-Nickel Contacts
DB2	UL 10.1 amp, 125-250 VAC 1/4 HP, 125 VAC VDE 10 (1.5) amp, 250V Silver-Nickel Contacts
DB3	UL 0.1 amp, 125-250 VAC VDE 100mA, 250V Gold Crosspoint Contacts
Temperature Rating	-40° to +85°C, +120°C optional
Flammability Rating	UL94V-O

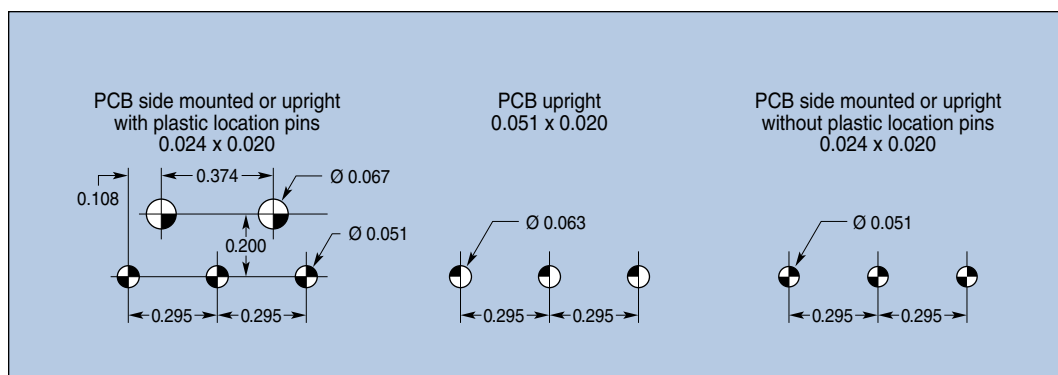
	DB1	DB2	DB3
Mechanical Life	1.5x10 ⁷	10 ⁷	1.5x10 ⁷
Electrical Life	>10,000	>10,000	>2,000,000

Base	Thermoplastic Polyester
Cover	Thermoplastic Polyester
Actuator	Thermoplastic Polyester, Thermoplastic Acetal
Auxiliary Actuator	Stainless Steel or Plastic
Terminals	Brass Silver-Plated
Contacts	Silver-Nickel Welded or Gold Crosspoint Contacts

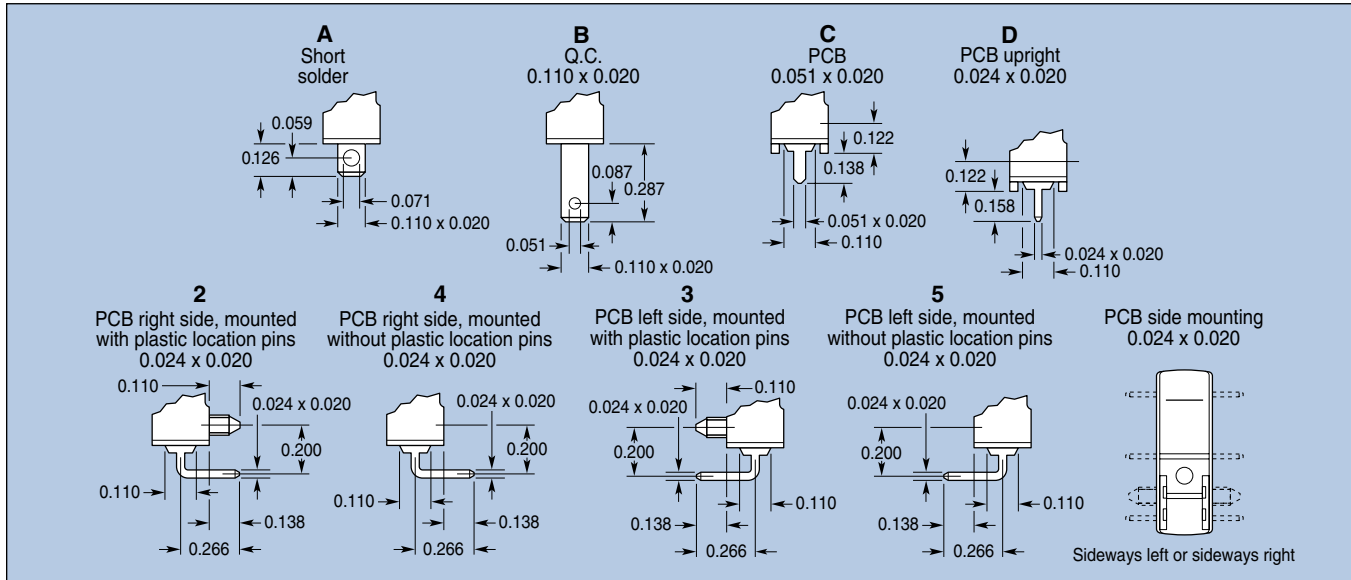
Auxiliary Actuator



PCB Footprints



Terminals

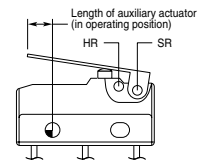


Characteristics

Operating Force	DB1 & DB3: 150 gms. max.; DB2: 250 gms. max.
Pretravel	0.039 max.
Overtravel	0.023 min.
Movement Differential	0.004 max.
Rest Position*	0.366 max.
Operating Point*	0.330 ±0.012

* Measured above reference line. Refer to dimensional drawing on page 2-3.

Actuator lengths are dimensioned from centerline of switch mounting hole.
SR - Standard Ratio HR - High Ratio



Ordering Information

DB			2		C		A		1		L		C					
Series/Prefix																		
C O D E	Current Ratings		Button Color	Contact Configuration		Terminal Type		Terminal Config.		Actuator		C O D E	Actuator Length					
	VDE	UL								A	B		C	D				
1	6 amp 250V	5 amp 125-250 VAC	Neutral	A	NO	A	Solder Short	1		A	Button	—	—	—	—			
2	10 (1.5) amp 250V	10A 1/4 HP 125 VAC 10.1 amp 250 VAC	Black	B	NC	B	Q.C. ¹ 0.110 x 0.020	2		M	Lever HR	—	0.275	0.370	1.712			
3	0.1 amp 250V	0.1 amp 250 VAC	Green	C	DT	C	PCB 0.051 x 0.020	3		L	Lever SR	—	0.189	0.275	1.653			
				E	NO ³	D	PCB ² 0.024 x 0.020			T	Roller HR	—	0.185	0.280	1.622			
				F	NC ³					R	Roller SR	—	0.098	0.185	1.563			
				G	DT ³					U	Straight w/Sim. Roller HR	—	0.185	0.280	1.622			
										S	Straight w/Sim. Roller SR	—	0.098	0.185	1.563			
										G	Straight (plastic) HR*	—	0.370	0.638	—			
								4		W	Straight (plastic) SR*	—	0.276	0.551	—			
								O		Roller (plastic) HR*	—	0.287	—	—				
								5		Z	Roller (plastic) SR*	—	0.205	—	—			
								H		Sim. Roller (plastic) HR*	—	0.311	—	—				
										V	Sim. Roller (plastic) SR*	—	0.220	—	—			

¹ 10 amp, not available as a VDE version

² 10 amp, version not possible

³ For use with plastic actuators requiring 85°C

*Code AA for button only.

•Plastic actuator only available 85°C.

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² 10 amp, version not possible
³ For use with plastic actuators requiring 85°C

*Code AA for button only.
•Plastic actuator only available 85°C.