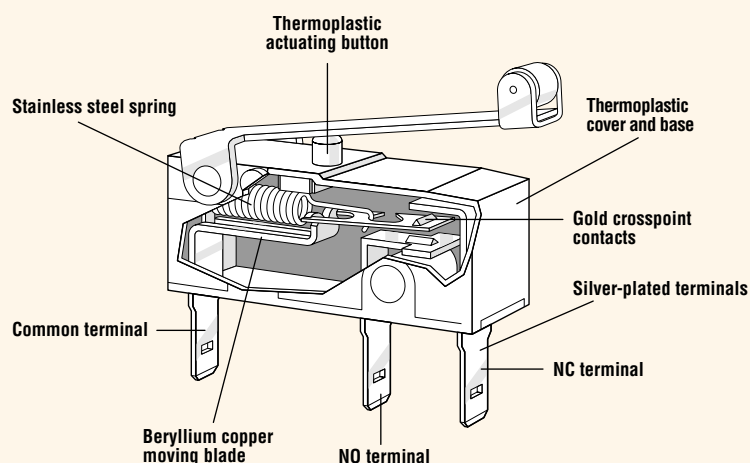


SUBMINIATURE DA Series

Features

- Long life coil spring construction
- Standard gold crosspoint contacts (0.1 amp) for low level switching applications
- Silver contact low voltage DAB version also available. Consult factory.
- Five standard terminals to choose from
- Automated assembly insures high quality and reliability
- Choice of external snap-on actuators
- Custom actuators available
- VDE approved



Electrical Ratings

Switch Series	EN61058 Rating	UL1054 Rating	Electrical Life at Rated Load	
			According to VDE (Min. Operations)	According to UL (Min. Operations)
DA3	0.1(0.05)A, 50VAC	0.1A, 125VAC	50,000	100,000
DAB	N/A	5A, 24VAC; 1A, 48VDC	N/A	6,000

Specifications

Electrical

Temperature Rating: -40° to +85°C

Flammability Rating: UL94V-0

Materials

Case: Thermoplastic Polyester

Actuating Button: Thermoplastic Acetal

Terminals: Silver-Plated Bronze

Moving Blade: Silver-Plated Beryllium Copper

Spring: Copper-Coated Stainless Steel

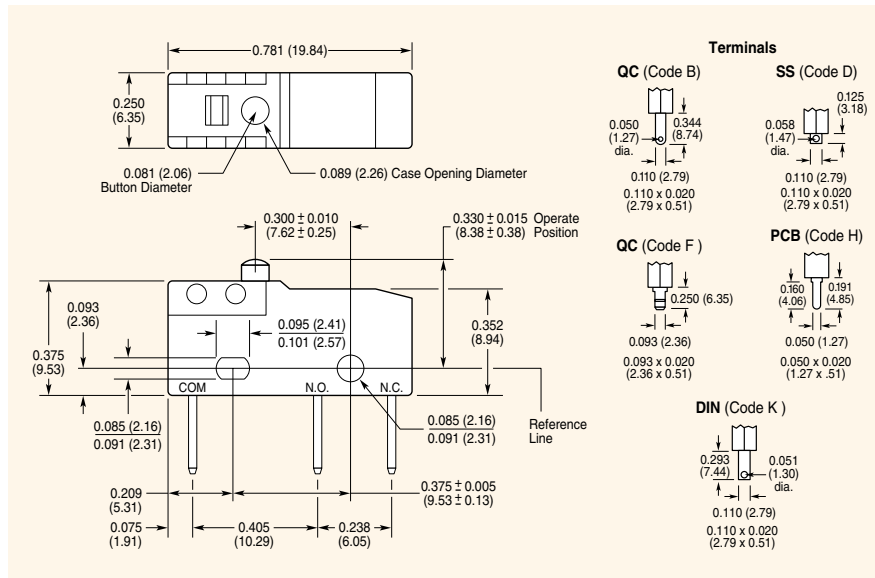
Auxiliary Actuator: Stainless Steel

Roller: Stainless Steel

Contacts: Gold Crosspoint (DA3), Silver (DAB)



Dimensions inches (mm)



Actuator Specifications

Actuator Type	Switch Type	Maximum Operating Force (gms.)	Maximum Pre-Travel inches (mm)	Operating Point inches (mm)	Minimum Over-Travel inches (mm)	Max. Movement Differential inches (mm)	Actuation Length inches (mm)
-AA		90	0.030 (0.76)	0.330±0.015 (8.38±0.38)	0.035 (0.89)	0.007 (0.18)	—
-LB		27	0.144 (3.66)	0.348±0.060 (8.84±1.52)	0.054 (1.37)	0.028 (0.71)	0.271 (6.88)
-MB		9	0.416 (10.57)	0.350±0.173 (8.90±4.39)	0.078 (1.98)	0.081 (2.06)	0.396 (10.06)
-RB		30	0.131 (3.33)	0.571±0.054 (14.50±1.37)	0.046 (1.17)	0.025 (0.64)	0.201 (5.11)
-TB		10	0.379 (9.63)	0.571±0.173 (14.50±4.39)	0.067 (1.70)	0.074 (1.88)	0.326 (8.28)
-SB		30	0.131 (3.33)	0.571±0.054 (14.50±1.37)	0.046 (1.17)	0.025 (0.64)	0.197 (5.00)
-UB		10	0.379 (9.63)	0.571±0.173 (14.50±4.39)	0.067 (1.70)	0.074 (1.88)	0.322 (8.18)

Circuitry

Contact arrangement available in choice of single pole double throw, or single pole single throw, either normally open or normally closed.

Mounting

Recommended mounting screw size: #2–56 round head. Recommended torque on screw: 2 inch lbs. max. (with flat washer min. 0.240" [6.10mm] outside diameter).

Ordering Information

DA

3

Series/Prefix

Code

Current Rating

3

0.1A, 125VAC

B

5A, 24VDC

C

B

Code

Terminal Type

inches (mm)

B

0.110 x 0.020 (2.79 x 0.51) QC

D

0.110 x 0.020 (2.79 x 0.51) SS

F

0.093 x 0.020 (2.36 x 0.51) QC

H

0.050 x 0.020 (1.27 x 0.51) PCB

K

0.110 x 0.020 (2.79 x 0.51) DIN

1

Code

Contact Configuration

A

SPST NO

B

SPST NC

C

SPDT

A

Code

Actuator Type

AA

Button

L

Lever Standard Ratio

M

Lever High Ratio

R

Roller Standard Ratio

T

Roller High Ratio

S

Simulated Roller Standard Ratio

U

Simulated Roller High Ratio

Code

Actuation Length

inches (mm)

A

—

B

—

C

—

0.154 (3.91)

0.271 (6.88)

0.403 (10.24)

0.279 (7.09)

0.396 (10.06)

0.528 (13.41)

-0.061 (-1.55)

0.201 (5.11)

0.330 (8.38)

0.064 (1.63)

0.326 (8.28)

0.455 (11.56)

0.110 (2.79)

0.197 (5.00)

0.258 (6.55)

0.235 (5.97)

0.322 (8.18)

0.383 (9.73)

A

Code

Terminal Configuration

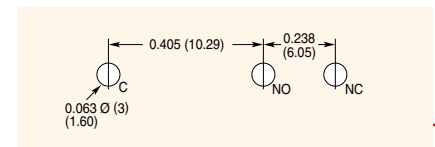
1

Standard

Actuation lengths are dimensioned from center line of switch mounting hole. Refer to dimensional drawing.

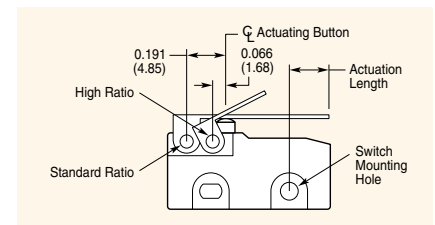
Actuation lengths are dimensioned from center line of switch mounting hole. Refer to dimensional drawing.

PCB Footprint



Actuators

Many special forms and lengths of actuators are available. External actuators can be snapped on in either of two locations (standard lever ratio or high lever ratio). Actuation lengths are dimensioned from centerline of switch mounting hole (see drawing).



Ordering Actuators Separately

There are three standard actuators available, plus an extra long actuator which may be used for customizing forms and lengths. To order actuators for the DA3 Series Subminiature Switch, use the actuator part number shown. Actuators may be ordered separately and installed on switches as required.

