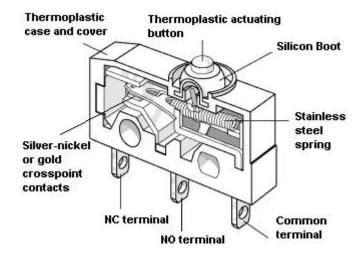
Subminiature — Sealed **DC Series**





5. Range of auxiliary actuators available (can also be retrofitted)

- 6. Various contact materials available, depending on application
- 7. Mechanical life: min. 1 x10⁶ operations
- 8. Wide variety of connection options

	cal Ratings		Electrical Life at Rated Load			
Switch Series EN61058 Rating		UL1054 Rating	According to EN (Min. Operations)	According to UL (Min. Operations)		
DC1	6A, 250V~	5A, 125/250VAC; 1A, 48VDC	10,000	6,000		
DC2	10(1.5)A, 250V~	10.1A, 125/250VAC; 1/4HP, 125VAC	10,000	6,000		
DC3	0.1A, 250V~	0.1A, 125/250VAC	50,000	100,000		
DC4	3A, 250V~	3A, 125/250VAC	50,000	6,000		

Electrical Specificat	ions	Material Specification	Material Specifications		
Temperature Rating	-40° to +85°C /+120°C (without wire leads) -40° to +85°C / +105°C (with wire leads)	Case: Actuator:	PET / PBT POM (<i>T85</i>), PBT (<i>T120</i>)		
Flammability Rating	UL94V-O (<i>PET, PBT</i>) UL94HB (<i>POM</i>)	Auxiliary Actuator:	Stainless Steel or Plastic		
		Terminals:	Silver-Plated Copper-Zinc		
		Contacts:	Silver Alloy (DC3 — Gold Crosspoint)		

PBT = Polybutyleneterephthalate • PET = Polyethyleneterephthalate • POM = Polyacetal. Specifications subject to change without notice.





Features

1. Enclosed switch complying with IP 6K7

4. Rated for currents up to 10 amp at 250VAC

3. Models available for operating temperatures up to 120°C

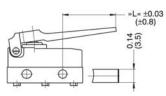
2. Silicon-free version available

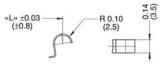
Subminiature — Sealed

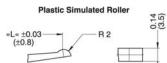
Auxiliary Actuators inches (mm)

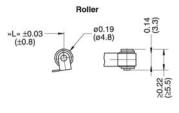
Straight (120∞C Rated) *L« ±0.03 (±0.8) • Coperating Point Rest Position • Coperating Point • Copera

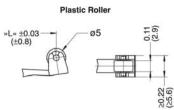
Plastic Straight (85 ... C Rated)











Actuator Specifications

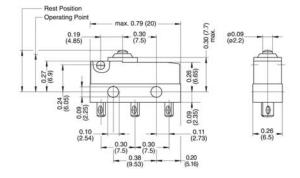
Actuator Code	Switch Type	Operating	Maximum Operating Force (cN)	Maximum Pre-Travel inches (mm)		Operating Point inches (mm)		Minimum Over-Travel	Max. Movement Differential inches (mm)		Max. Rest Position	Actuation
		DC1, DC3, DC4	DC2	DC1, DC3, DC4	DC2	DC1, DC3, DC4	DC2	inches (mm)	DC1, DC3, DC4	DC2	inches (mm)	Length inches (mm)
AA	100 m	200	340	0.04	0.04	0.33±0.01	0.33±0.01	0.02	0.004	0.004	0.37	
	lend .			(1.0)	(1.0)	(8.4±0.3)	(8.4±0.3)	(0.6)	(0.10)	(0.10)	(9.3)	
LB	15th	80	150	0.18	0.20	0.42±0.05	0.42±0.06	0.06	0.02	0.03	0.55	0.189
	Ferred			(4.5)	(5.0)	(10.7±1.3)	(10.7±1.6)	(1.5)	(0.5)	(0.7)	(14.0)	(4.8)
LC	15	70	120	0.20	0.22	0.44±0.06	0.44±0.07	0.06	0.02	0.04	0.59	0.276
	Tened			(5.0)	(5.5)	(11.1±1.5)	(11.1±1.8)	(1.5)	(0.6)	(1.0)	(15.0)	(7.0)
LD	15mg					forces	and travel avai	lable upon reques	+			1.654
	Eened	forces and travel available upon request								(42.0)		
SB	-	90	160	0.18	0.20	0.63±0.05	0.63±0.06	0.06	0.02	0.03	0.75	0.098
	Fend			(4.5)	(5.0)	(16.0±1.3)	(16.0±1.6)	(1.5)	(0.5)	(0.7)	(19.0)	(2.5)
SC	-	80	130	0.20	0.22	0.65±0.06	0.65±0.07	0.06	0.02	0.04	0.79	0.185
	Tenal			(5.0)	(5.5)	(16.4±1.5)	(16.4±1.8)	(1.5)	(0.6)	(1.0)	(20.0)	(4.7)
SD	-					former	and travel ever	lable upon reques				1.563
	Fered					Torces	and traver avail	able upon reques	it.			(39.7)
RB	-	90	160	0.18	0.20	0.62±0.05	0.62±0.06	0.06	0.02	0.03	0.75	0.098
	Level			(4.5)	(5.0)	(15.8±1.3)	(15.8±1.6)	(1.5)	(0.5)	(0.7)	(19.0)	(2.5)
RC	-	80	130	0.20	0.22	0.64±0.06	0.64±0.07	0.06	0.02	0.04	0.79	0.185
	in the second			(5.0)	(5.5)	(16.2±1.5)	(16.2±1.8)	(1.5)	(0.6)	(1.0)	(20.0)	(4.7)
RD	-					forcos	and travel ava	ilable upon reque	ot			1.563
	Le d					10/063	anu traver ava	liable upon reque	51			(39.7)
WB	6	68	115	0.18	0.18	0.44±0.06	0.44±0.06	0.08	0.02	0.02	0.59	0.276
	le el			(4.5)	(4.5)	(11.1±1.5)	(11.1±1.5)	(2.0)	(0.6)	(0.6)	(15.0)	(7.0)
WC	6	50	85	0.24	0.24	0.48±0.07	0.48±0.07	0.12	0.03	0.03	0.67	0.551
	in the			(6.0)	(6.0)	(12.2±1.8)	(12.2±1.8)	(3.0)	(0.8)	(0.8)	(17.0)	(14.0)
VB	6	73	125	0.18	0.18	0.47±0.06	0.47±0.06	0.08	0.02	0.02	0.59	0.220
	Le d			(4.5)	(4.5)	(11.9 ± 1.4)	(11.9±1.4)	(2.0)	(0.6)	(0.6)	(15.0)	(5.6)
ZB	P	73	125	.018	0.18	0.63±0.06	0.63±0.06	0.06	0.02	0.02	0.75	0.205
	1000			(4.5)	(4.5)	(16.0±1.4)	(16.0±1.4)	(1.5)	(0.6)	(0.6)	(19.0)	(5.2)

Specifications subject to change without notice.

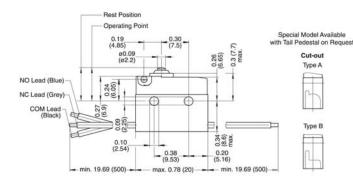


Subminiature — Sealed **DC** Series

Dimensions inches (mm)



Model with Connecting Leads



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Ordering Information

Serie	Series/Prefix					
Code	UL Rating	EN 61058 Rating				
1	5A,125/250VAC 1A 48VDC	6A, 250V~				
2	10.1A, 125/250VAC 1/4HP, 125VAC	10(1.5)A, 250V~				
3	0.1A, 125/250VAC 0.1A 30VDC**	0.1A, 250V~				
44	3A, 250VAC 1A 48VDC	3A, 250V-				

Contact Configuration						
+105°/120°C Operating Temp +85°C Operating Temp						
Code		Code				
Α	SPST NO	E	SPST NO			
в	SPST NC	F	SPST NC			
C	SPDT	G	SPDT			

* 85°C versions use plastic levers ** 30VDC UL rating applies only to 120C version

Notes:

- Notes: Wire leads 500mm min. (approximately 20° long) 1. Only available with terminal configuration 1. 2. +85°C rated only. 3. Only available with DC1, DC3 and DC4. 4. Rating code 4 only as lead-version leads 0.5mm². 5. Wire versions only rated to +105°C. 6. Only available with terminal configuration 3 or 4.

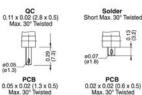
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Code	Terminal Type inches (mm)	Notes
Α	Short Solder	1
В	0.02" (0.5") Leads (No UL)	5, 9
С	0.03" (0.75") Leads (No UL)	5
н	0.05 x 0.02 (1.3 x 0.5) PCB	1
к	0.02 x 0.02 (0.6 x 0.5) PCB	1, 7
L	0.11 x 0.02 (2.8 x 0.5) QC	1
Ν	Without Leads (Type B)	6
Р	Without Leads (Type A)	6
Q	Without Leads (No Cut-Out)	8
S	Welding	1
Т	Leads, 20 AWG	3, 11
U	Leads, 22AWG	9, 11
	Non-European Versions	
D	Leads 18 AWG (UL Only)	5, 8, 10
E	Leads 16 AWG (UL Only)	5
M	Leads 20 AWG (UL Only)	3,5

7. Only available with terminal configuration 1, 6, 7, 8 or 9,

Only available with terminal configuration 1,
Only available with DC3 and DC4,
Not available with DC2.
Not available in North America.

Terminal Options inches (mm)





PCB 0.02 x 0.02 (0 RH SH PCB 0.02 x 0.02 (0.6 x 0.5) BH Side with L continue D

0.27

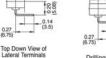
€ Ð

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0.14

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Left -



Drilling Pattern for PCB Terminals 0.05 x 0.02 (1.3 x 0.5) - Righ

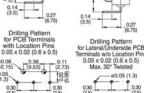
0.30 0.30 PCB 0.02 x 0.02 (0.6 x 0.5)

0.20

0.14

0.06 (1.6)

PCB 0.02 x 0.02 (.06 x 0.5) LH Side w/o Location (7)



(0.08 (02.15) (9.53) (9.53) 00.05 (01.3) 188 0.30 0.30

1000		Code	Actuation Length inches (mm)				
Code	Actuator Type	A	В	С	D		
AA	Button only	-	-	-	-		
L	Lever	-	0.189 (4.8)	0.276 (7.0)	1.654 (42.0)		
R	Roller		0.098 (2.5)	0.185 (4.7)	1.563 (39.7)		
S	Simulated Roller		0.098 (2.5)	0.185 (4.7)	1.563 (39.7)		
V ²	Plastic Sim. Roller	-	0.220 (5.6)	-	-		
W ²	Plastic Straight	-	0.276 (7.0)	0.551 (14.0)	-		
Z ²	Plastic with Roller		0.205 (5.2)		-		

Code Terminal Configuration 1 30° Twisted 3 Leads on Actuator Side 4 Leads on Opposite Side from Actuator 5 Leads Attached to Underside 6 PCB Terminals Right-hand Side 7 PCB Terminals Left-hand Side

8 PCB Terminals Right-hand Side with Location Pins 9

PCB Terminals Left-hand Side with Location Pins

Contact

Call, fax or visit our Website for more information.

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