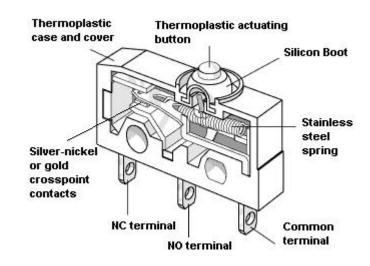
Subminiature — Sealed

DC Series





Features

- 1. Enclosed switch complying with IP 6K7
- 2. Silicon-free version available
- 3. Models available for operating temperatures up to 120°C
- 4. Rated for currents up to 10 amp at 250VAC

- 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

Electri	Electrical Ratings						
0.14.1			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 Specifications		Material Specifications		
Temperature Rating	-40° to +85°C /+120°C (without wire leads)	Case:	PET / PBT	
Temperature Nating	-40° to +85°C / +105°C (with wire leads)	Actuator:	POM (T85), PBT (T120)	
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.





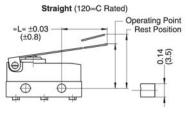


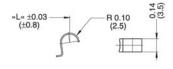


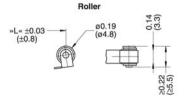
Subminiature — Sealed

DC Series

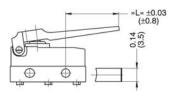
Auxiliary Actuators inches (mm)

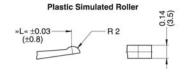


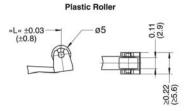












Actuator Specifications

	Switch Type	Maxim Operating (cN)	Force		mum fravel s (mm)	Opera Poi inches	nt	Minimum Over-Travel	Max. Mo Differ inches	ential	Max. Rest Position	Actuation Length
Actuator Code		DC1, DC3, DC4	DC2	DC1, DC3, DC4	DC2	DC1, DC3, DC4	DC2	inches (mm)	DC1, DC3, DC4	DC2	inches (mm)	inches (mm)
AA		200	340	0.04	0.04	0.33±0.01	0.33±0.01	0.02	0.004	0.004	0.37	11-11
	لقبقا			(1.0)	(1.0)	(8.4±0.3)	(8.4±0.3)	(0.6)	(0.10)	(0.10)	(9.3)	-
LB		80	150	0.18	0.20	0.42±0.05	0.42±0.06	0.06	0.02	0.03	0.55	0.189
	لعنقا			(4.5)	(5.0)	(10.7±1.3)	(10.7±1.6)	(1.5)	(0.5)	(0.7)	(14.0)	(4.8)
LC		70	120	0.20	0.22	0.44±0.06	0.44±0.07	0.06	0.02	0.04	0.59	0.276
	لقسقا			(5.0)	(5.5)	(11.1±1.5)	(11.1±1.8)	(1.5)	(0.6)	(1.0)	(15.0)	(7.0)
LD						forces	and travel avail	able upon reques	t			1.654 (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
	e d			(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
				(5.0)	(5.5)	(16.4±1.5)	(16.4±1.8)	(1.5)	(0.6)	(1.0)	(20.0)	(4.7)
SD						forces	and travel avail	able upon reques	t			1.563 (39.7)
RB	_0	90	160	0.18	0.20	0.62±0.05	0.62±0.06	0.06	0.02	0.03	0.75	0.098
				(4.5)	(5.0)	(15.8±1.3)	(15.8±1.6)	(1.5)	(0.5)	(0.7)	(19.0)	(2.5)
RC	0	80	130	0.20	0.22	0.64±0.06	0.64±0.07	0.06	0.02	0.04	0.79	0.185
				(5.0)	(5.5)	(16.2±1.5)	(16.2±1.8)	(1.5)	(0.6)	(1.0)	(20.0)	(4.7)
RD						forces	and travel ava	ilable upon reque	st			1.563 (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
	العاما			(4.5)	(4.5)	(11.1±1.5)	(11.1±1.5)	(2.0)	(0.6)	(0.6)	(15.0)	(7.0)
WC	1	50	85	0.24	0.24	0.48±0.07	0.48±0.07	0.12	0.03	0.03	0.67	0.551
				(6.0)	(6.0)	(12.2±1.8)	(12.2±1.8)	(3.0)	(0.8)	(0.8)	(17.0)	(14.0)
VB		73	125	0.18	0.18	0.47±0.06	0.47±0.06	0.08	0.02	0.02	0.59	0.220
				(4.5)	(4.5)	(11.9 ± 1.4)	(11.9±1.4)	(2.0)	(0.6)	(0.6)	(15.0)	(5.6)
ZB	9	73	125	.018	0.18	0.63±0.06	0.63±0.06	0.06	0.02	0.02	0.75	0.205
	0			(4.5)	(4.5)	(16.0 ± 1.4)	(16.0 ± 1.4)	(1.5)	(0.6)	(0.6)	(19.0)	(5.2)

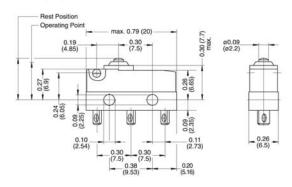
Specifications subject to change without notice.



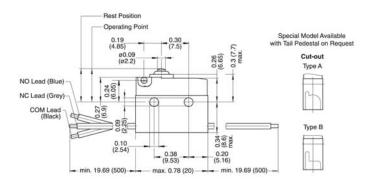
Subminiature — Sealed

DC Series

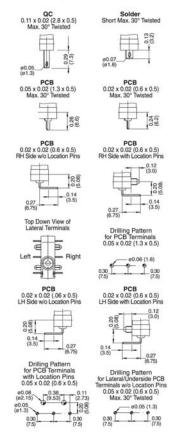
Dimensions inches (mm)



Model with Connecting Leads



Terminal Options inches (mm)



Ordering Information

Series/Prefix					
			A		
Code	UL Rating	EN 61058 Rating	В		
1	5A,125/250VAC	6A, 250V~	C		
	1A 48VDC		н		
2	10.1A, 125/250VAC		К		
	1/4HP, 125VAC	10(1.5)A, 250V~	1		
3	0.1A, 125/250VAC 0.1A 30VDC**	0.1A, 250V~	N		
44	3A, 250VAC	3A, 250V-	P		
4	1A 48VDC	3A, 250V-	Q		
		1	8		

	Contact Conf	iguratio	n	
+105°/120°C Operating Temp +85°C Operating				
Code	V 300 0-00 000	Code	127	
Α	SPST NO	E	SPST NO	
В	SPST NC	F	SPST NC	
С	SPDT	G	SPDT	

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

- 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.

Code	Terminal Type inches (mm)	Notes
Α	Short Solder	- 1
В	0.02° (0.5°) Leads (No UL)	5, 9
С	0.03 ¹ (0.75 ¹) Leads (No UL)	5
Н	0.05 x 0.02 (1.3 x 0.5) PCB	- 1
K	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
N	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 5.
 Only available with DC3 and DC4.
 Not available with DC2.
 Not available in North America.

	P i	Code	Actua	tion Length in	ches (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)	-	-
M ₂	Plastic Straight	1-1	0.276 (7.0)	0.551 (14.0)	-
Z ²	Plastic with Roller	1-1	0.205 (5.2)	-	-

\neg	
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

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Technical data relates to product specifications only. Features may differ from those described. Only drawings combined with product specifications shall be deemed binding

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