

Sealed Subminiature Snap Switch

Single Pole

DC Series



Features

- Precise snap action switch
- Long life coil spring mechanism
- Switching current 0.1 to 10 A at 250 VAC
- Versions up to 3 A 30 VDC possible
- Temperature range: -40 to 85 °C/120 °C
- Protection class: IP67 (switching system)
- Different mounting options (location posts, mounting holes)
- Various aux actuators (also for retrofitting)
- Various terminal types
- Wire versions available – protection class IP67
- PFAS free versions available

Standard Parts¹

DC1C-A1LB	DC1C-L1AA	DC1C-C4AA	DC1C-C3LC	DC1C-C3AA	DC1C-A1AA	DC2C-A1LB
DC2C-H1AA	DC2C-L1AA	DC2C-C3LD	DC2C-C3AA	DC2C-A1AA	DC2C-A1RC	DC2C-A1RB
DC2C-A1LC	DC3C-L1RC	DC3C-L1LB	DC3C-L1AA	DC3C-H1AA	DC3C-C3AA	DC3C-A1RC
DC3C-A1RB	DC3C-A1LC	DC3C-A1LB	DC3C-A1AA			

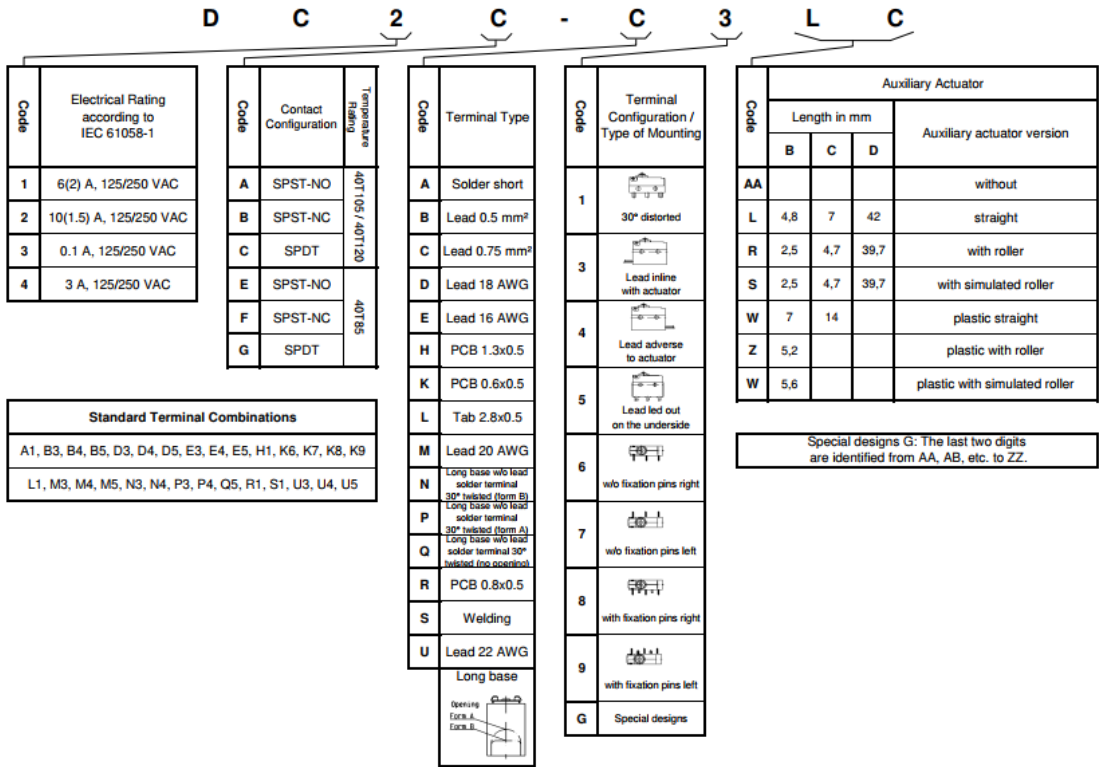
¹The part number configuration matrix below provides details to the part numbers above.

For configurable part numbers that are not listed above, not listed in your region, or for custom part numbers, contact the factory or your distributor:

switches-sensors@zf.com

Order Code Matrix

Numbering Matrix Switch Series DC



Electrical Specifications – Contact Ratings

Contact	EN61058	Electrical life	∅ of wire
DC1	6(2) A, 125/250 VAC	10,000	0.75 mm ²
DC2	10 (1.5) A, 125/250 VAC	10,000	0.75 mm ²
DC3	0.1 A, 125/250 VAC	100,000	0.50 mm ²
DC4	3 A, 125/250 VAC	50,000	0.50 mm ²

Contact	UL61058-1	Electrical life 40T85	Electrical life 40T105 / 40T120	∅ of wire
DC1	6(2) A, 125/250 VAC	10,000	10,000	0.75 mm ²
DC2	10 (1.5) A, 125/250 VAC	10,000		0.75 mm ²
DC3	0.1 A, 125/250 VAC	100,000	100,000	0.50 mm ²
DC4	3 A, 125/250 VAC	50,000	50,000	0.50 mm ²

Contact	UL 1054	Electrical life	∅ of wire
DC1	5 A, 125/250 VAC	6,000	AWG20
DC2	10.1 A, 125/250 VAC	6,000	-
DC3	0.1 A, 125/250 VAC	100,000	AWG22
DC4	3 A, 125/250 VAC	6,000	AWG22

UL file number E314201

Environmental and Mechanical Specifications

Operating force	200 – 340 cN (model dependent, without actuator)
Mechanical life	min. 1x10 ⁶ operations
Temperature range	-40 °C to 85 / 120 °C without wire leads -40 °C to 85 / 105 °C without wire leads
Protection class	IP67

Material Specifications

<https://switches-sensors.zf.com/>

Page 2 of 5, Last update 2026-04-20, Specifications subject to change without notice. In case there are any deviations, the drawing details have priority.

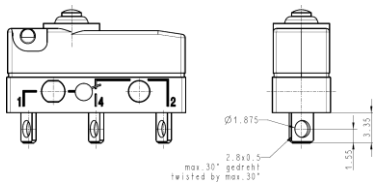


Cover	PBT (UL 94 V-0); PET (UL 94 V-0)
Actuator	POM (UL 94 HB) 85 °C, PBT (UL 94V-0) 120 °C
Base	PET (UL 94V-0)
Contacts	Ag, AgNi, AuAgPt (Crosspoint)
Terminals	CuZn (silver-plated)
Sealing Gasket	VMQ
Auxiliary Actuator	Stainless steel or plastic

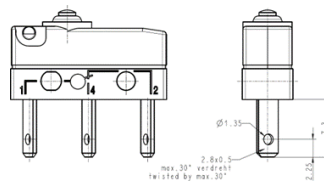
Dimensions (mm) and terminal configurations

Terminals

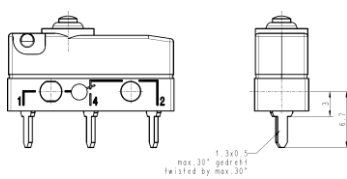
Solder terminals short



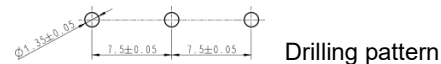
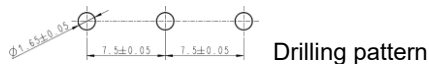
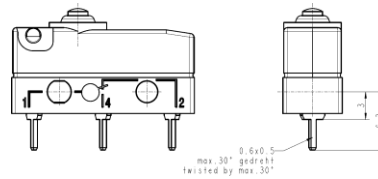
Q.C. terminals 2.8x0.5



PCB terminals 1.3x0.5, straight

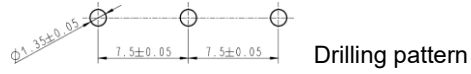
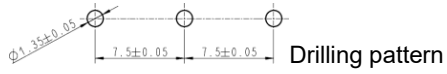
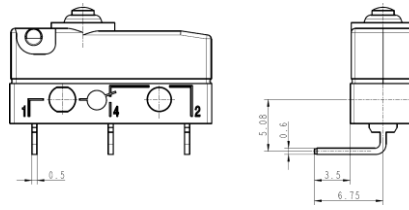
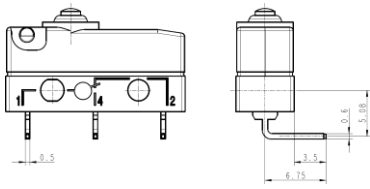


PCB terminals 0.6x0.5, straight



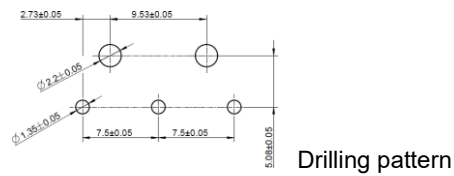
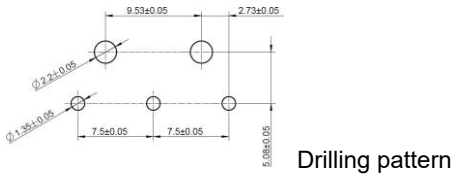
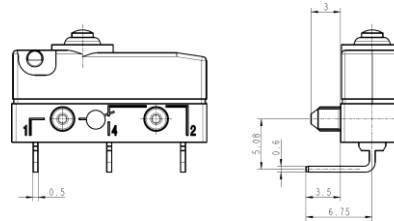
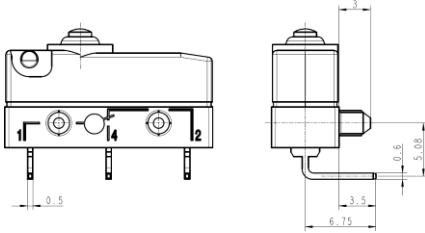
PCB terminals 0.6x0.5 RH-side without location posts

PCB terminals 0.6x0.5 LH-side without location posts



PCB terminals 0.6x0.5 RH-side with location posts

PCB terminals 0.6x0.5 LH-side with location posts

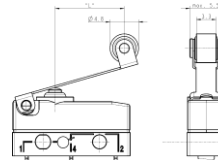
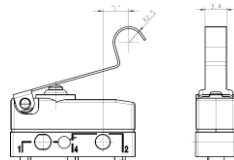
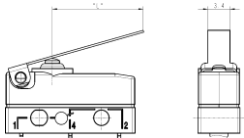


Auxiliary Actuators

Straight

Simulated Roller

Roller



Dimensions

DC short

