

Sub-Subminiature Switch



DK series

Features

- Sealed switch up to protection IP65, IP67 on request, smallest dimension
- Temperature range
-40 °C to +85 °C/105 ° C
- Nominal currents 5 mA to 2 A at 12 V DC
- Actuation vertically or with auxiliary actuator
- High contact stability thanks to AuAg crosspoint contacts
- Mechanical operating life min. 500,000 operations
- Many connection possibilities, also with leads

Standard parts

For specific part numbers, please contact the factory: switches-sensors@zf.com

Order Code Matrix

DK	1		G		- RN		A0	
switch-type	electr. rating (ohmic load)		contact configuration		terminals and location posts		auxiliary actuator	
DK	1 =	0,010 / 2 A 12 VDC	G	single pole double throw	RN	solder terminals, straight 2,5 x 0,5 without posts	A0 =	without auxiliary actuator
			E	single pole single throw normally open	RR	without posts solder terminals, straight 2,5 x 0,5	D1 =	auxiliary actuator straight, flexible
			F	single pole single throw normally closed	RL	solder terminals, straight 2,5 x 0,5 left hand posts	E1 =	auxiliary actuator sim. roller, flexible
					SN	PCB terminals, straight 0,6 x 0,5 without posts		
					SR	PCB terminals, straight 0,6 x 0,5 right hand posts		
					SL	PCB terminals, straight 0,6 x 0,5 left hand posts		
					TR	PCB terminals, right 0,6 x 0,5 right hand posts		
					UL	PCB terminals, left 0,6 x 0,5 left hand posts		
					Z3	leads 500mm; 0.35mm ² ; let out to bottom side without posts		
					Z9	leads 500mm; 0.35mm ² ; let out to bottom side right hand posts		

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Z6	leads 500mm; 0.35mm ² ; let out to bottom side left hand posts
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Electrical rating

Code	Rating	Electrical life
1	0.005 – 2 A 12 V DC	min. 100,000 operations

Environmental and Mechanical Specifications

Operating force	max. 75 cN without auxiliary actuator
Mechanical life	Min. 500,000 operations
Temperature range	-40 °C to +85 °C/105 °C
Protection class	IP65, IP67 on request

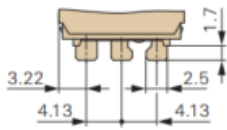
Materials

Base	PBT/PES
Cover	PBT, ASA, PET
Actuator	POM +85 °C, LCP +105 °C
Auxiliary actuator	Stainless steel
Sealing gasket	VMQ
Terminals	CuZn silver-plated
Leads	Cu, PVC-sheated
Contacts	AuAg (crosspoint)

Dimensions in mm

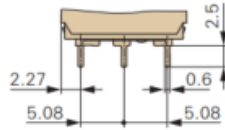
Terminals

Solder terminal
2.5 x 0.5 mm

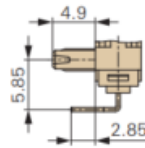


Dimensions in mm

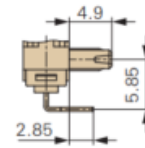
PCB terminal
0.6 x 0.5 mm



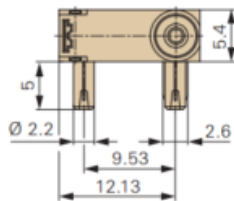
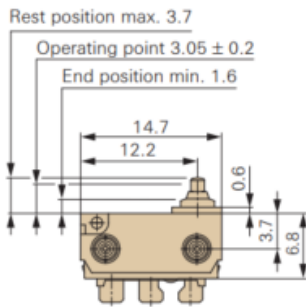
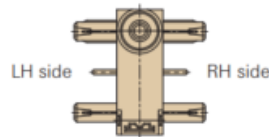
PCB terminal 0.6 x 0.5 mm
LH side with location pins



PCB terminal 0.6 x 0.5 mm
RH side with location pins



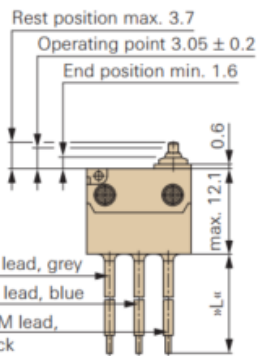
Side definition



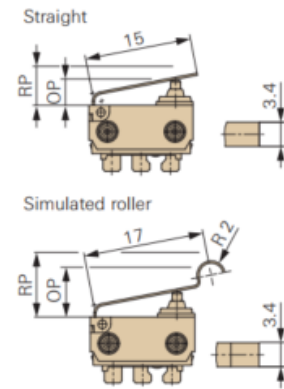
Dimensions in mm

Dimensions

For DK sub-miniature switch with leads (IP67)



Auxiliary actuator



Dimensions in mm