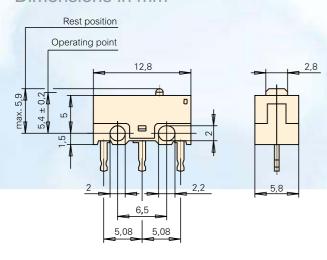
# **DG** sub-subminiature switch

#### **Features**

- Very small size (only 12.8 x 5.8 x 6.5 mm)
- Depending on the model, the breaking capacity ranges from small switching currents and voltages to low-voltage applications up to 3 A 125 VAC
- Optionally available with or without auxiliary actuator
- Use on circuit boards with connections to the left or right and standing
- High mechanical operating life, depending on the model > 1,000,000 actuations

#### Dimensions in mm





## Technical specifications

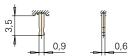
Tooliniodi opoolilodilorio				
Contact configuration	S.P.D.T., S.P.S.TN.O., S.P.S.TN.C.			
Contact gap	< 3 mm			
Switching voltage max.	125 V AC			
Switched current max.	3 A AC			
Operating force max.	75 cN or 140 cN			
	without auxiliary actuator			
Total travel	0,7 mm without auxiliary actuator			
Mechanical life	> 1 x 10 <sup>6</sup> operations			
Electrical life (max. load)	see table			
Ambient temperature	-25°C to +85°C			
Materials				
Base	PPHS (UL 94V-0)			
Cover	PBT (UL 94V-0)			
Actuator	PBT (UL 94V-0)			
Auxiliary actuator	Stainless steel			
Terminals	CuZn striped silver-plated			
Contacts	DG 1/4 AgNi			
	DG2 AgNi, gal. Au			
Approvals	c <b>91</b> Us			
Degree of protection (switch interior)	IP40			

For detailed information and the layout of the details described above, please do not hesitate to ask for our technical specifications and drawing.



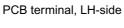
### **Terminals**

#### Solder terminal



#### PCB terminal, RH-side

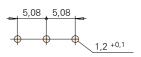






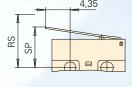


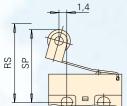
#### Drilling pattern



## Auxiliary actuator

# Electrical rating and operating life (2)





Electrical rating according to UL and CSA	Operating life		
	Nominal load UL and CSA	mechanical	Code
3 A, 125 V AC	6.000	1 x 10 <sup>6</sup>	1
2 A, 30 V DC			
0,05 A, 30 V DC	6.000	1 x 10 <sup>6</sup>	2
1 A, 125 V AC	6.000	1 x 10 <sup>6</sup>	4
1 A, 30 V DC			

# Contact configuration (3)

Contact configuration	Code
S.P.D.T.	3

# Operating force (4)

Operating force (OF)	Possible combinations with electrical rating (2)	Code
140 cN	1, 2	В
75 cN	2, 4	С

# Terminals (5)

PCB terminal	Code
straight	1
RH-side	2
LH-side	3

# Auxiliary actuator options (6)

Model	Туре	Max. operating force (cN)	Max. pretravel (mm)	Min. overtravel (mm)	Max. move- ment differen- tial (mm	Max. rest position (mm)	Operating point (mm)	Code
Without aux. actuator	DG 1,2 B DG 2,4 C	140 75	0,5 0,5	0,2 0,2	0,1 0,1	5,9 5,9	5,4 ± 0,2 5,4 ± 0,2	AA
aux. actuator straight	DG 1,2 B DG 2,4 C	45 30	1,8 1,8	0,55 0,55	0,5 0,5	9,4 9,4	6,8 ± 6,8 ±	LA
aux. actuator roller	DG 1,2 B DG 2,4 C	60 35	1,5 1,5	0,55 0,55	0,5 0,5	13,9 13,9	12,4 ± 0,5 12,4 ± 0,5	RA