

# DG SUB-SUBMINIATURE SWITCH

## DG sub-subminiature switch

Extremely small dimensions – only 12.8 × 5.8 × 6.6 mm.  
Breaking capacity ranges from small switching currents and voltages to low-voltage applications up to 3 A 250 VAC.

Approved according IEC 61058-1 / UL 61058-1

CQC certified

- 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 model > 1,000,000 operations



## Technical specifications

<b>Series</b>	DG ①
<b>Contact configuration</b>	S.P.D.T.
<b>Contact gap</b>	< 3 mm
<b>Switching voltage max.</b>	250 VAC
<b>Switching current max.</b>	3 A
<b>Operating force</b>	140 cN without auxiliary actuator
<b>Total travel</b>	0.7 mm without auxiliary actuator
<b>Mechanical life</b>	> 1 × 10 <sup>6</sup> operations
<b>Electrical life (max. load)</b>	25,000 operations
<b>Ambient temperature</b>	-25°C to +125°C

## Materials

<b>Base</b>	PBT (UL 94V-0)
<b>Cover</b>	PBT (UL 94V-0)
<b>Actuator</b>	PBT (UL 94V-0)
<b>Auxiliary actuator</b>	Stainless steel
<b>Terminals</b>	CuZn striped silver-plated
<b>Contacts DG E</b>	AgNi
<b>DG G</b>	AgNi, gal. Au



**Degree of protection** IP40  
**Switch interior**

## Circuitry ③

<b>Model</b>		<b>Code</b>
S.P.D.T.		3

## Terminal type ⑤

<b>Model</b>		<b>Code</b>
PCB terminal, straight		E7
PCB terminal, RH side		E5
PCB terminal, LH side		E4

Generation of order code (example)  
The order code consists of 5 parameters:

①	②	③	④	⑤
Series	Electrical rating	Circuitry	Terminal type	Auxiliary actuator
DG = sub-sub-miniature switch	E = 3 A, 250 VAC	3 = S.P.D.T.	E7 = PCB terminal, straight	AA = without auxiliary actuator

- Not every configurable variant is available for order. Please contact us.
- The final two digits of article numbers on commercial documents refer to the index of the respective drawing.

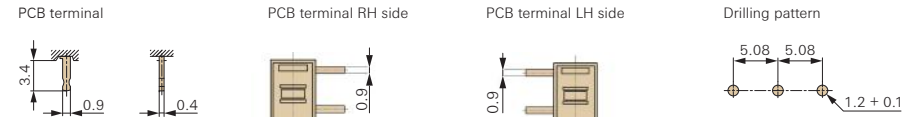
## Electrical rating and operating life ②

Electrical rating according to	Operating life		
	Nominal load EN/UL	mechanical	Code
EN/UL 61058-1 3(0.5) A, 125/250 VAC	25,000	1 × 10 <sup>6</sup>	E
0.1(0.1) A, 125/250 VAC	25,000	1 × 10 <sup>6</sup>	G

## Auxiliary actuator ④

Model	Operating force max.(cN)	Max. pretravel (mm)	Min. overtravel (mm)	Differential travel max. (mm)	Max. rest position (mm)	Operating point (mm)	Code
Without auxiliary actuator	140	0.5	0.2	0.1	5.9	5.4 ± 0.2	AA
Auxiliary actuator, straight	45	1.8	0.55	0.5	9.4	6.8 + 0.8/-0.4	LC
Auxiliary actuator roller	60	1.5	0.55	0.5	13.9	12.4 ± 0.5	RD

## Terminals



## Auxiliary actuator

