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## Product Information

### General notes

Recommended for all PCB applications as the most compact changeover switch on the market, the 1K2 is ideal as a jumper replacement.

A standard (red) or extended (black) slide actuator gives instant recognition of switch position.

### Mounting

The customer has the choice of straight and angle PCB mounting pins.

### Contacts

Heavy gold plated contacts are available for applications requiring dependable operation under extreme environmental conditions.

### Soldering and Cleaning

Immersion and water jet cleaning is not recommended.

Ultrasonic cleaning is forbidden.

Manual soldering is required for right angle models and side-by-side mounting.

*We reserve the right to modify technical data  
All dimensions in mm*

## Change over slide switch 1-pole



	Switching action	Contacts	Contact material	Slider	Typ-Nr.	Component layout	Technical drawing	Circuit drawing	
<b>Change over slide switch 1-pole</b> Pins axial (standard version)	MA	1 C	Gold	Plastic black raised	<b>09.03290.01</b>	1	3	1	0.001
				Plastic red flush	<b>09.03201.02</b>	1	1	1	0.001
Pins axial (tropicalized version)	MA	1 C	Gold	Plastic red flush	<b>19.03201.01</b>	1	1	1	0.001
Pins bent at right-angles (standard version)	MA	1 C	Gold	Plastic black raised	<b>09.10290.01</b>	1	4	1	0.001
				Plastic red flush	<b>09.10201.02</b>	1	2	1	0.001

Switching action: MA = Maintained action

Contacts: C = Changeover

Component layout from page 6, Technical drawing from page 6, Circuit drawing from page 7

## Change over slide switch

## Approvals

Declaration of conformity  
RoHS

### Material

#### Material of contact

0.4  $\mu\text{m}$  Au/Ni (standard version)  
2  $\mu\text{m}$  Au/Ni (tropicalized version)

### Mechanical characteristics

#### Terminals

0.4  $\mu\text{m}$  Au/Ni (standard version)  
2  $\mu\text{m}$  Au/Ni (tropicalized version)

#### Actuating travel

1.6 mm nominal

#### Mechanical lifetime

10 000 operations

#### Resistance to heat of soldering

at 265 °C, 3 sec.

### Electrical characteristics

#### Operating voltage/-current

Nominal 12 V, 500 mA  
Maximum voltage 24 V  
Minimum voltage 10mV, 1 mA

#### Isolation resistance

>10 000 M $\Omega$  at 100 VDC

#### Contact resistance

<22 m $\Omega$

#### Electrical life

1 000 operations nominal

#### Switch rating

6 W

#### Electric strength

250 V<sub>rms</sub>, 50 Hz

### Environmental conditions

#### Operating temperature

-40 °C ... +85 °C

#### Climate resistance

Damp heat steady :  
4 days,  
21 days (tropicalised version),  
as per IEC 60512-6-11c

Saline mist :

24 hours  
96 hours (tropicalised version),  
as per IEC 60512-6-11f

#### Shock resistance

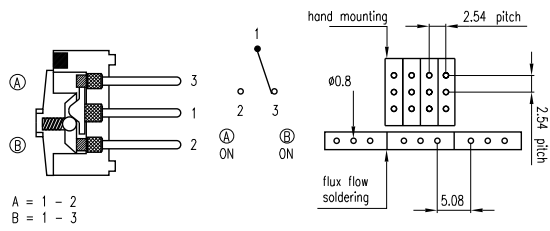
50 g, 11 ms, as per IEC 60512-4-6c

#### Resistance to vibrations

10 ... 500 Hz, 10 g, as per IEC 60512-4-6d

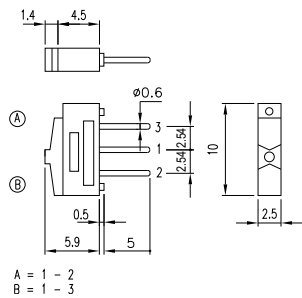
## Component layout

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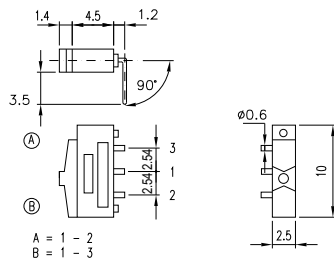


## Technical drawing

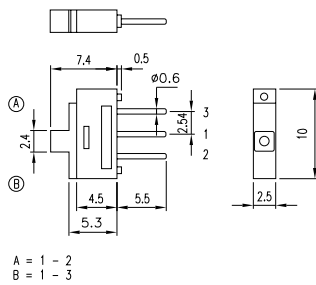
### 1 Change over slide switch 1-pole page 4



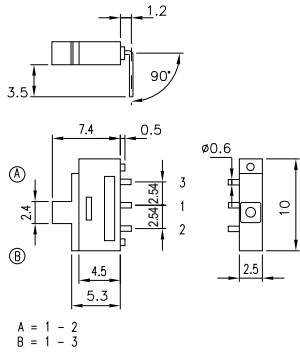
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## 4 Change over slide switch 1-pole page 4



### Circuit drawing

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