



## Secme 1K2.series

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 or angle PCB mounting

### CONTACTS for tropicalised version

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.

### MATERIAL

#### Material of contact

Au/Ni standard and tropicalised version

### ENVIRONMENTAL CONDITIONS

#### Operating temperature -40 °C ... +85 °C

#### Damp heat

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

### ELECTRICAL CHARACTERISTICS

#### Operating voltage/-current

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

#### Isolation resistance

>10 000 MΩ at 100 VDC

#### Contact resistance

<22 mΩ

#### Electrical life

1 000 operations nominal

#### Switch rating

6 W

#### Electric strength

250 Vrms, 50 Hz

### MECHANICAL CHARACTERISTICS

#### Switching action

Maintained

#### Actuating travel

1.6 mm nominal

#### Mechanical lifetime

10 000 operations

#### Resistance to wave soldering

at 250° C, 5 sec.

### Manual spot welding guideline

Please note:

The 1K2 is designed for machine wave flow soldering.

If manual soldering needs to be done, the following guidelines have to be adhered to (in accordance to IEC 60068-2-20):

**Size of tip of soldering iron:** 3mm dia.

- **Type of solder:** Sn/Ag/Cu
- **Soldering temperature:** 350°C at 370°C
- **Soldering time:** 1s at 5s max
- In order to avoid overheating, a small break has to be observed between each solder-application
- The soldering iron has to be kept clean at all times.
- It is mandatory to tin the tip of the soldering iron before the soldering can take place.
- When soldering, the tip of the iron has to first pre-heat the "intersection" between pin and circuit, before applying the solder.



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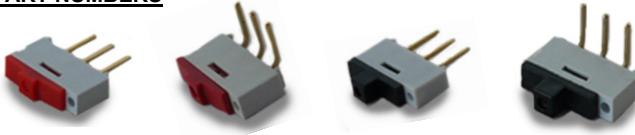


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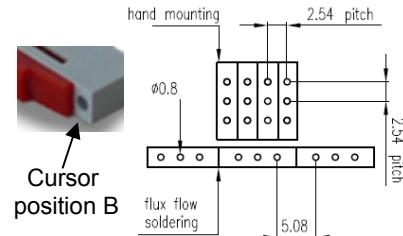
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### STANDARD PART NUMBERS

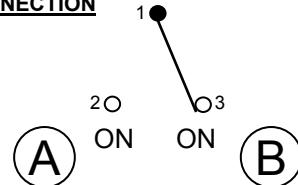


Change-over slide switch 1-pole	Slider	Typ-Nr
Pins axial (standard version)	Plastic black raised	09.03290.01
	Plastic red flush	09.03201.02
Pins axial (3 mm)	Plastic black raised	09.03290.01X116
	Plastic red flush	09.03201.02X115
Pins axial (tropicalised version)	Plastic red flush	19.03201.01
Pins bent at right-angles (standard version)	Plastic black raised	09.10290.01
	Plastic red flush	09.10201.02

### IMPLANTATION



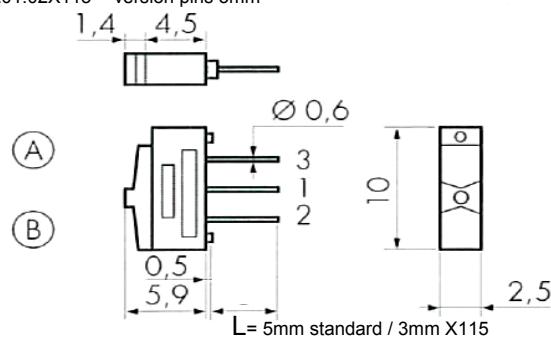
### CONNECTION



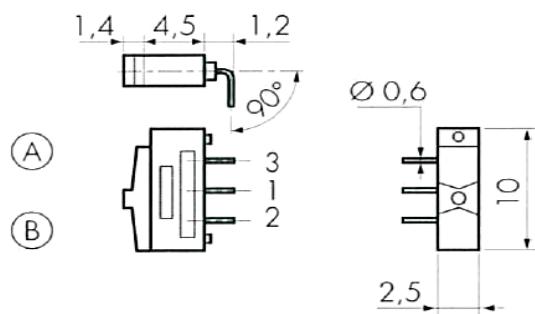
### DIMENSIONS Flush cursor

19.03201.01 tropicalised version  
09.03201.02 standard version  
09.03201.02X115 version pins 3mm

Mass: 0.5g  
Dimension in mm

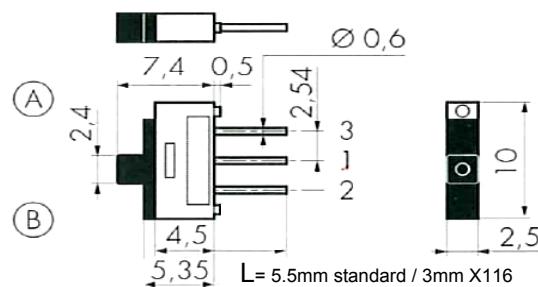


09.10201.02 standard version

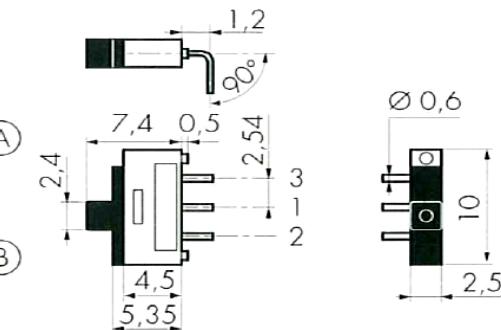


### DIMENSIONS Raised cursor

09.03290.01 standard version pins 5mm  
09.03201.01X116 version pins 3 mm



09.10290.01 standard version



The sales department is at your disposal

Email : [contact@eozone.com](mailto:contact@eozone.com)  
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