



1K2



A1



COMPONENTS

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.

Electrical life 1 000 operations

- Resistance to wave soldering at 250° C, 5 sec.
- Choice of straight or right angle PCB mounting
- Saline mist 24 hours, 96 hours (tropicalised version),
- Damp heat 4 days, 21 days (tropicalised version),
- Electrical life 1 000 operations
- Cursor position

TECHNICAL SPECIFICATIONS

ELECTRICAL SPECIFICATIONS

Nominal Current	500 mA
Minimum Current	1 mA
Nominal Voltage	12 V
Maximum Voltage	24 V
Minimum Voltage	10 mV
Electrostatic breakdown value	5 kV
Isolation resistance	≥10000 MΩ at 100Vdc
Contact resistance	≤22 Ω
Electrical life	1000 actuations
Electric strength as per EN IEC 60512-2	250 V _{rms} , 50 Hz, 1 min

MECHANICAL CHARACTERISTICS

Switching action	Maintained		
Actuating travel	1.6 mm		
Operating temperature	-40°C ... +85°C		
Shock resistance as per IEC 60512-4-6c	50 g, 11 ms		
Environmental resistance	Standard «Gold cont.»		Tropical «Gold cont.»
- Damp heat as per EN IEC 60512-11f	4 days	21 days	
- Saline mist as per EN IEC 60512-11f	24 hours	96 hours	

Manual spot welding guideline

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 «inter-section» between pin and circuit, before applying the solder.

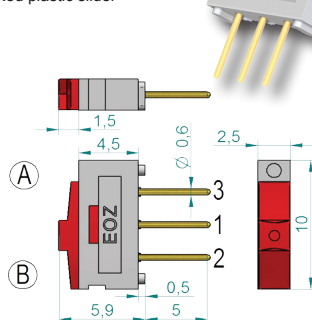
STANDARD PART NUMBERS

Change-over slide switch 1-pole	Part Numbers
Pins axial (standard version), plastic black raised slider	09.03290.01
Pins axial (standard version), plastic red slider	09.03201.02
Pins axial (3 mm), plastic black raised slider	09.03290.01X116
Pins axial (3 mm), plastic red slider	09.03201.02X115
Pins axial (tropicalised version), plastic red slider	19.03201.01
Pins bent at right-angles (standard version) plastic black raised slider	09.10290.01
Pins bent at right-angles (standard version) plastic red slider	09.10201.02

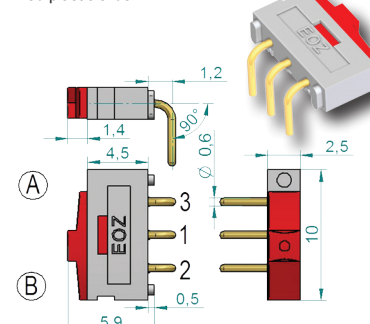
Further options and information available: www.eozonline.com

DIMENSIONS

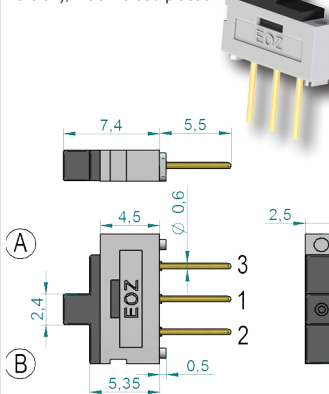
Pins axial (standard version), Red plastic slider



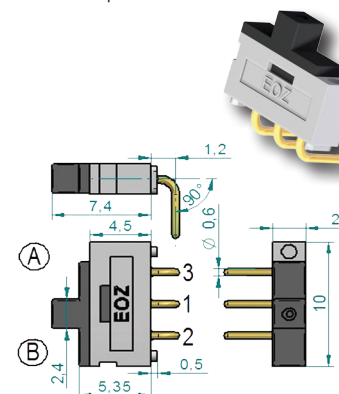
Right-angles bented pins (standard version) Red plastic slider



Pins axial (standard version), Black raised plastic



Right-angles bented pins (standard version) Black raised plastic slider



CONNEXIONS

MOUNTING

