1K2

For other options or further information please contact your local sales office.

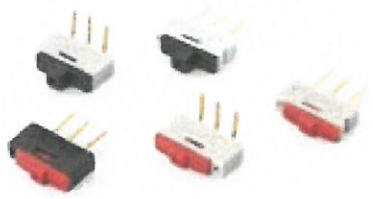
Product Profile

The 1K2 Series is recommended for all PCB applications and is the most compact changeover switch on the market.

Technical data see page 175

- Miniature single-pole changeover slide switch
- Ideal as a jumper replacement
- Highly compact with 2.54 mm pitch pins
- End and side by side stackable at 2.54 mm pitch
- Straight and right angled versions
- High reliability
- Gold contact as standard
- Fully sealed base suitable for solvent cleaning
- Raised actuator version suitable for through-panel operation

Changeover switch



1K2 changeover switch, PCB mount

Part No.	Slider	Orientation	Contact Material
09.03290.01	Extended (black)	Straight	Standard Gold plated
09.10290.01	Extended (black)	Right Angled	Standard Gold plated
09.03201.02	Low Profile (red)	Straight	Standard Gold plated
09.10201.02	Low Profile (red)	Right Angled	Standard Gold plated
19.03201.01	Low Profile (red)	Straight	Tropicalised Gold plated

Actuator position is opposite of switch contact

Change over slide switch

Material

Material of contact
0.4 µm Au/Ni (standard version)
2 µm Au/Ni (tropicalized version)

Mechanical characteristics

Terminals
0.4 µm Au/Ni (standard version)
2 µm Au/Ni (tropicalized version)

Actuating travel
1.6 mm nominal

Mechanical lifetime
10 000 operations

Resistance to heat of soldering
at 250 °C, 5 sec.

Electrical characteristics

Operating voltage/-current
Nominal 12 V, 500 mA
Maximum voltage 24 V
Minimum voltage 10 mV, 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

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

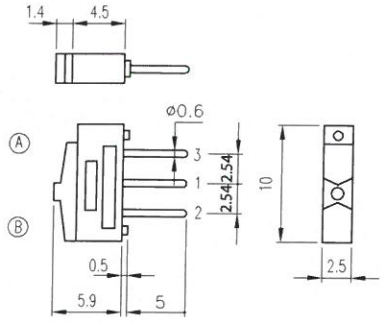
Saline mist:
24 hours
96 hours (tropicalised version),
as per IEC 60512-6-11f

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

1K2

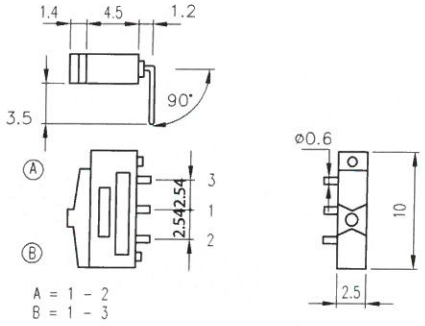
Low Profile Straight



A = 1 - 2
B = 1 - 3

1K2

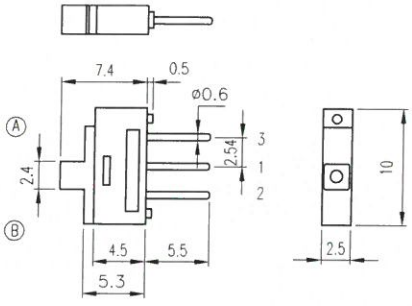
Low Profile Right Angle



A = 1 - 2
B = 1 - 3

1K2

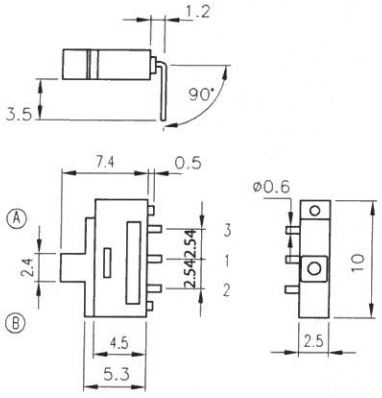
Extended Straight



A = 1 - 2
B = 1 - 3

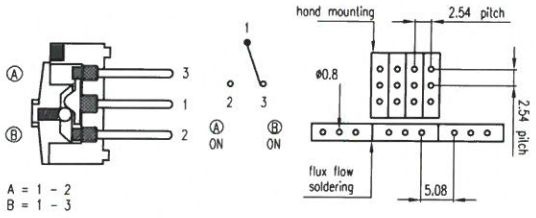
1K2

Extended Right Angle



A = 1 - 2
B = 1 - 3

1K2 Layout



A = 1 - 2
B = 1 - 3