

## KN 19 - Short-travel main switch, 1-pole

### 1.12.000.001/0000

For keycaps, refer to RK 90 system design.



Positive opening contacts to IEC 947-5-1.

1-LED spot-illumination (max. 3 mm) possible.

#### General information

Recommended key grid	19.05 x 38.1 mm
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#### Dimensions

Length	37.8 mm
Width	18.8 mm
Overall height	9.7 mm

#### Mechanical design

Mounting	on PCB
Terminals	THT solder terminals
Contact system	snap-action bridge contact
Contact arrangement	1 NC + 1 NO
Contact materials	Ag
Illumination	1 LED (max. 3 mm) possible
Degree of protection	IP40 (DIN EN 60529)
Hot wire ignition acc. to IEC 60695-2-1	850 °C

#### Mechanical characteristics

Operating force max.	9 <sup>±3</sup> N
Operating travel	0.55 <sup>±0.15</sup> mm
Robustness max.	100 N

#### Electrical characteristics

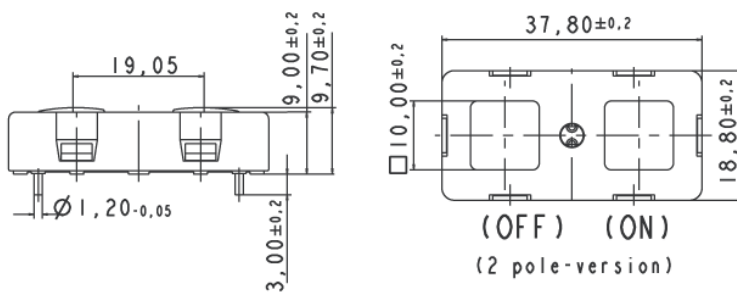
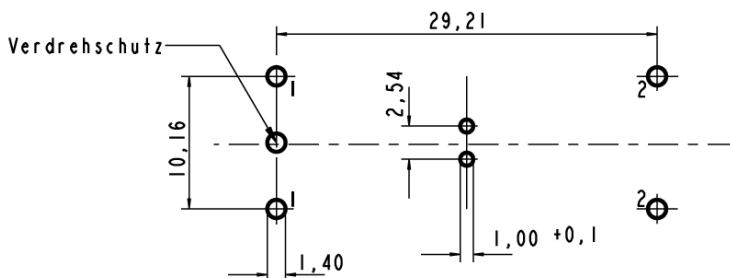
Rated voltage AC min.	12 V
Rated voltage DC min.	12 V
Rated voltage AC max.	250 V
Rated voltage DC max.	50 V
Ohmic load DC min.	0.1 A
Ohmic load AC	6 A
Ohmic load DC max.	10 A
Contact resistance when new max.	50 mΩ
Capacity input current AC max.	100 A
Rated motor current AC	4 A
Rated filament lamp current AC	2.4 A

Bouncing time max.	10 ms
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### Other specifications

Ambient temp. operating min.	-25 °C
Ambient temp. operating max.	+70 °C
Environmental resistance	acc. to IEC 60068-2-14, -30, -33 and -78
Operating life AC	AC 250 V: 200.000 /2A; 100.000 /6A
Operating life DC	50,000(10 A / 50 V=)
Soldering time max.	3 s
Soldering temperature max.	350 °C
Flame class acc. to UL 94	UL 94 VO
ROHS compliant	yes
REACH compliant	yes

### PCB footprint



2 NC / 2 NO

