

# $KN 19, 1NO + 1NC, 9.0 \pm 3.0 N$



#### fields of application

- > Measurement-control-regulation
- > Mechanical and system engineering
- > Electro-medical
- > Home technology

#### special features

- Silver contacts for reliable switching (250 V / 6 A)
- > For use beneath closed overlays / keycaps
- > Optional: spot illumination with 1 LED
- > Overall height: 9.7 mm
- > Terminal technology: THT



### description

KN 19 offers the possibility of integrating the mains switch (250 V / 6A) directly into the low-profile data entry system. This means there is no need for extra switches on the device and therefore no additional openings in the overlay. This enables optimal device safety and uniform design. The contact opening widths comply with the VDE guidelines. The KN 19 can also be used under RK 90 keycaps.

### technical data

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_	general

Operating temperature, min.  $-25\,^{\circ}\text{C}$ Operating temperature, max.  $70\,^{\circ}\text{C}$ Storage temperature, min.  $-40\,^{\circ}\text{C}$ 

Storage temperature, max. 70 °C illuminated Yes
Luminous elements LED
Soldering time for manual 3 sec

soldering, max.

Soldering temperature for manual

soldering Soldering

solderina

Packaging Tube
Packaging unit 12 pcs.

net weight 9 g

Operating life electrical 100,000 (6A / 250V AC) cycles

350 °C

50,000 (10A / 50V DC) cycles

wave soldering according to DIN EN 61760-1

B10 electrical 130.000 (6A / 250V AC) cycles

IP40

65.000 (10A / 50V DC) cycles

Degree of protection, front side,

according to DIN EN 60529

MOQ order 12 pcs.

RoHS compliant Yes

REACH compliant Yes

#### > mounting diameters

direct links

> RAFI eCatalog

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Outside dimension, length 37.8 mm
Outside dimension, width 18.8 mm
Outside dimension, height 9.7 mm
Installation height 9.7 mm

Grid, min. 19.05 x 38.1 mm

#### > mechanical data

Actuation function latching

Operating force, max. 100 N

Operating force, min.  $9 \pm 3.0 \text{ N}$ Switching travel  $0,55^{\pm0,15} \text{ mm}$ 

Bounce time at 10 mm/s <10 ms

Contact function 1 NC + 1 NO

Contact system Bridge-snap-action contact

THT

Contact material Silver
Fixing Soldering
Solderability Yes

#### > electrical data

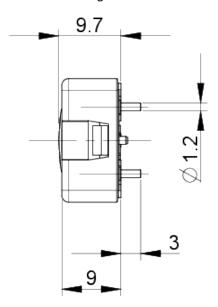
Terminal on the rear

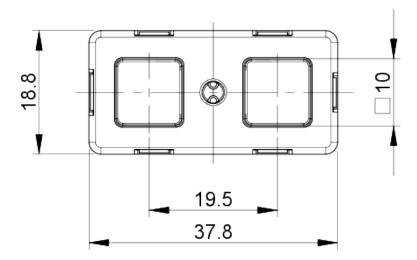
Rated voltage, min. 12 V
Rated voltage, max. 250 V
Rated current, min. 0.1 A
Rated current, max. 6 A
Rated power, max. DC 250 W



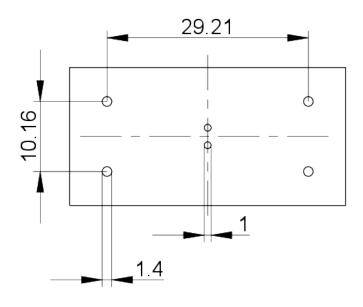
# drawings

### **Dimensioned drawing**



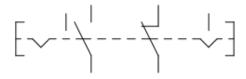


#### **PCB** drawing





#### Schematic diagram



1 NC + 1 NO