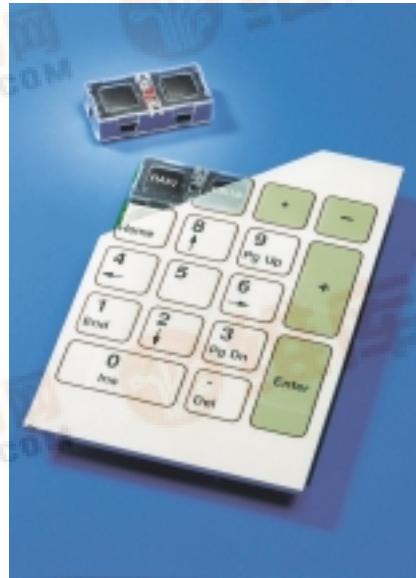


## KN 19 short-travel main switch



### General data

Short-travel main switch for use in membrane keyboards under the overlay or with RK 90 keycaps, 250V, 4A max. A cut-out in the overlay is not required!

### Content

**KN 19 short-travel main switch**  
KN 19

4 - 76  
4 - 78

4

KN  
19

**KN 19 short-travel main switch****General data**

The KN 19 makes it possible to implement a power switch directly in a low-profile data entry system. This eliminates the need for extra switches on the device and additional openings in the overlay. In this way, you can achieve an optimum of safety and a consistent design.

The contact opening widths comply with the VDE standards. The KN 19 can also be employed underneath RK 90 keycaps. Other actuation functions (momentary, latching/momentary) available on request.

**4****KN  
19****Technical data****General information**

Recommended key grid 19.05 x 38.1 mm

**Contact resistance when new max.**

50 mΩ

**Dimensions**

Length 37.8 mm

**Capacity input current AC max.**

100 A

Width 18.8 mm

**Rated motor current AC**

4 A

Overall height 9.7 mm

**Rated filament lamp current AC**

2.4 A

**Mechanical design**

Mounting on PCB

**Bouncing time max.**

10 ms

Terminals solder terminals

Contact system snap-action bridge contact

**Other specifications**

-25 °C

Contact arrangement see order block

**Ambient temp. operating min.**

Contact materials Ag

**Ambient temp. operating max.**

+70 °C

Illumination 1 LED (max. 3 mm)

**Storage temperature min.**

-40 °C

possible

**Storage temperature max.**

+80 °C

Degree of protection IP40

**Resistance to constant environment**

according to IEC 600 68-2-3 and 2-30

Hot wire ignition acc. to IEC 60695-2-1 850 °C

**Resistance at variable environment**

according to IEC 600 68-2-14 and 2-33

**Mechanical characteristics**Operating force max. 9<sup>±3</sup> NENEC, UL and CSA  
VDE:0630,0750; IEC:1058-1,601-1; EN:61058,60601-1Operating travel 0,55<sup>±0,15</sup> mm**Approvals**

100000 /6A

Robustness max. 100 N

**Acc. to norm**

50000(10A/50V=)

**Electrical characteristics****Operating life AC**

3 sec.

Rated voltage min. DC 12 V

**Operating life DC**

350 °C

Rated voltage min. AC 12 V

**Soldering time max.**

UL 94 VO

Rated voltage max. AC 250 V

**Soldering temperature max.**

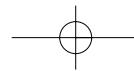
Rated voltage max. DC 50 V

**Defintion of flame class**

Ohmic load AC 6 A

Ohmic load DC min. 0.1 A

Ohmic load DC max. 10 A

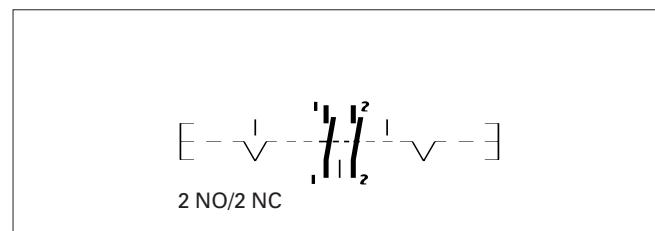
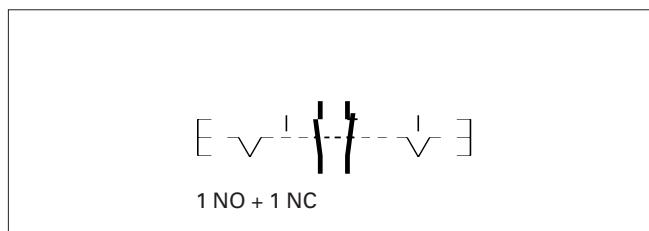


Cannon

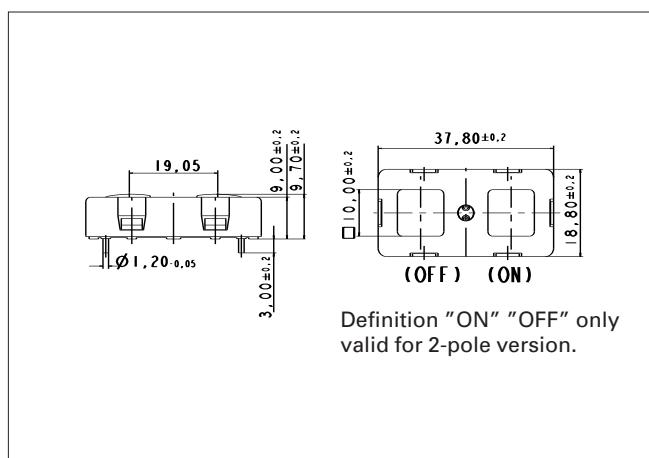


## KN 19 short-travel main switch

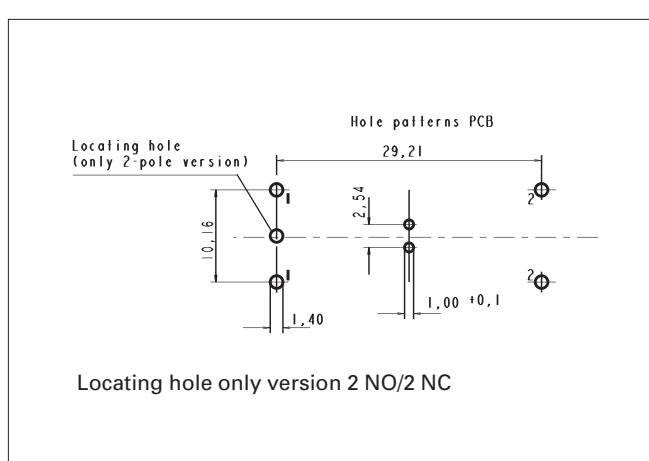
### Circuit Diagram



### Dimensional Drawing



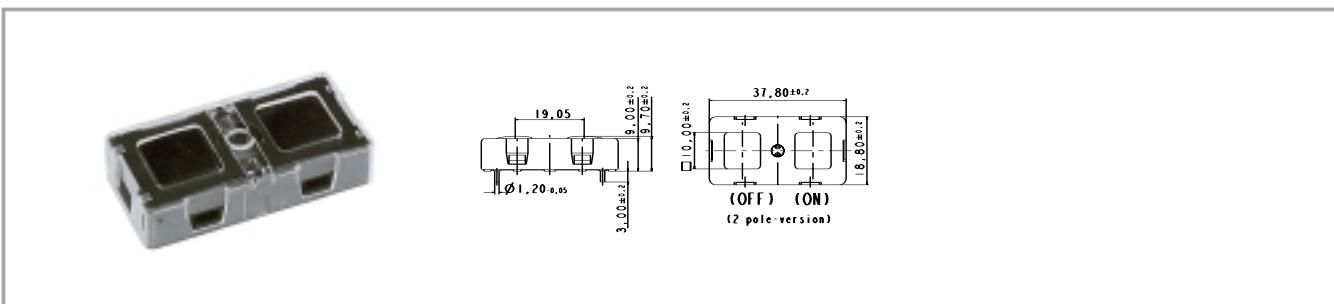
### Hole Pattern



4

KN  
19

View on component side.

**KN 19**


Contact arrangement	Rated voltage max. AC	Approvals	Order no.
1 NC + 1 NO	250 V	ENEC, UL and CSA	<b>1.12.000.001/0000</b>
2 NC / 2 NOspot illumination 1 LED (max. 3 mm) possible	250 V	ENEC, UL and CSA	<b>1.12.000.501/0000</b>

Technical data see page 4 - 76

For keycaps, refer to RK 90 system design.  
 Positive opening NC contacts to IEC 60 947-5-1.  
 1-LED spot illumination (max. 3 mm) possible.

**4**

**KN  
19**