

General data

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

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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.

Technical data

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General information		Contact resistance when	
Recommended key grid	19.05 x 38.1 mm	new max.	50 m Ω
, 0		Capacity input current	
Dimensions		AC max.	100 A
Length	37.8 mm	Rated motor current AC	4 A
Width	18.8 mm	Rated filament lamp	
Overall height	9.7 mm	current AC	2.4 A
3		Bouncing time max.	10 ms
Mechanical design		ŭ	
Mounting on PCB		Other specifications	
Terminals	solder terminals	Ambient temp, operating	

Contact system snap-action bridge contact Contact arrangement see order block Contact materials 1 LED (max. 3 mm) Illumination possible Degree of protection IP40

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

Mechanical characteristics

9±3 N Operating force max. 0,55^{±0,15} mm Operating travel 100 N Robustness max.

Electrical characteristics

Rated voltage min. DC 12 V Rated voltage min. AC 12 V 250 V Rated voltage max. AC Rated voltage max. DC 50 V Ohmic load AC 6 A Ohmic load DC min. 0.1 A Ohmic load DC max. 10 A

Ambient temp. operating -25 °C min. Ambient temp. operating +70 °C max. -40 °C Storage temperature min. +80 °C Storage temperature max. Resistance to constant environment according to IEC 600 68-2-3 and 2-30

Resistance at variable environment

Approvals Acc. to norm

Operating life AC

Operating life DC Soldering time max. Soldering temperature max. Defintion of flame class

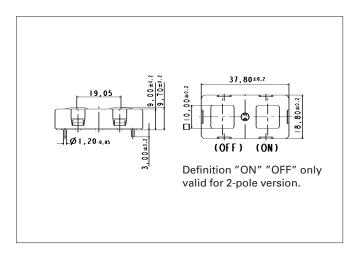
IEC 600 68-2-14 and 2-33 ENEC, UL and CSA VDE:0630,0750; IEC:1058-1,601-1; EN:61058,60601-1 AC 250 V: 200000 /2A; 100000 /6A 50000(10A/50V=)3 sec.

350 °C **UL 94 VO**

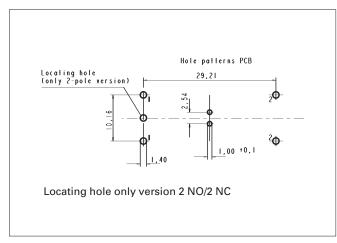
according to

Circuit Diagram

Dimensional Drawing



Hole Pattern

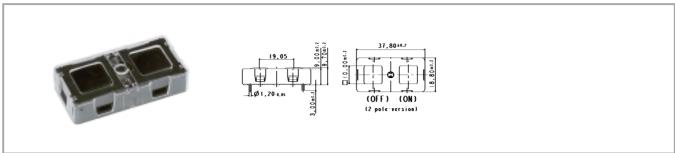


View on component side.

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KN 19

KN 19



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

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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.

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