

KN 19, 1NO + 1NC, 9.0 ± 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

>	general		
	Operating temperature, min.	-25 °C	direct links
	Operating temperature, max.	70 °C	> RAFI eCatalog
	Storage temperature, min.	-40 °C	
	Storage temperature, max.	70 °C	
	illuminated	Yes	
	Luminous elements	LED	
	Soldering time for manual	3 sec	
	soldering, max.		
	Soldering temperature for manual	350 °C	
	soldering		
	Soldering	wave soldering according to DIN EN 61760-1	
	Packaging	Tube	
	Packaging unit	12 pcs.	
	net weight	9 g	
	Operating life electrical	100,000 (6A / 250V AC) cycles	
		50,000 (10A / 50V DC) cycles	
	B10 electrical	130.000 (6A / 250V AC) cycles	
		65.000 (10A / 50V DC) cycles	
	Degree of protection, front side, according to DIN EN 60529	IP40	
	MOQ order	12 pcs.	
	RoHS compliant	Yes	
	REACH compliant	Yes	
>	mounting diameters		

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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 ± 3.0 N
	Switching travel	0,55 ^{±0,15} mm
	Bounce time at 10 mm/s	<10 ms
	Contact function	1 NC + 1 NO
	Contact system	Bridge-snap-action contact
	Contact material	Silver
	Fixing	Soldering
	Solderability	Yes
	Terminal on the rear	THT
>	electrical data	
	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

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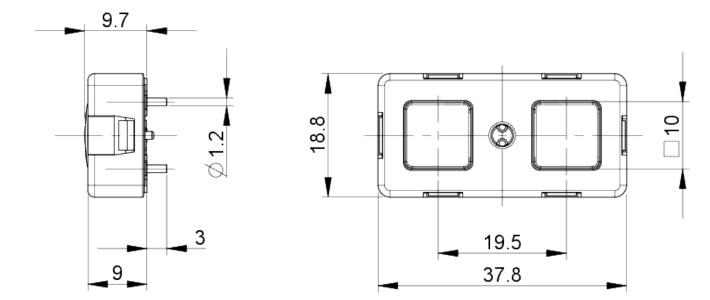
technical data sheet

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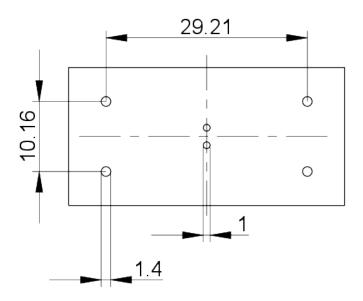


drawings

Dimensioned drawing



PCB drawing



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Schematic diagram

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