

$KN 19, 2 NO, 14.0 \pm 3.0 N$



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

`	general
_	oenerai

Operating temperature, min. -25 °C
Operating temperature, max. 70 °C
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 Manual / wave

Packaging Tube
Packaging unit 12 pcs.
net weight 9 g

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

50.000 (5A / 50V DC) cycles

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

The information in this data sheet only contains general descriptions and / or performance features, which may not apply precisely as described to the respective application, and which my change due to further product enhancements. The technical data, illustrations and other information about our products are the mere results of individual technical testing. These descriptions and other product features are only binding if they expressly agreed upon at the time of the conclusion of a binding contract. In all other cases, we reserve the right to make technical changes as well as changes of availability. Pictures and other graphic illustrations are approximations only. All product names may be trademarks or brand names of the RAFI Group or any other sub-supplier of RAFI. The use of such by any third parties for their own purposes may infringe the rights of the respective entity holding those rights.

date: May 19, 2024 page: 1/4



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

 $\begin{array}{lll} \mbox{Actuation function} & \mbox{latching} \\ \mbox{Operating force, max.} & \mbox{100 N} \\ \mbox{Operating force, min.} & \mbox{14 ± 3.0 N} \\ \mbox{Switching travel} & \mbox{0,55$}^{\pm 0,15} \mbox{ mm} \end{array}$

Bounce time at 10 mm/s <10 ms
Contact function 2 NO

Contact system Bridge-snap-action contact

THT

Contact material Silver
Fixing Soldering
Solderability Yes

> electrical data

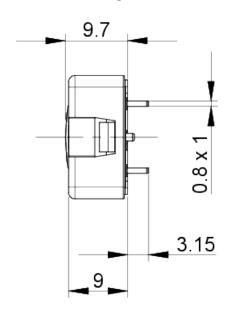
Terminal on the rear

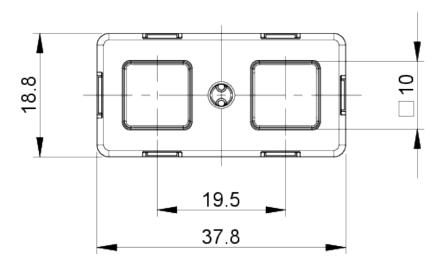
Rated voltage, min. 12 V
Rated voltage, max. 250 V
Rated current, min. 0.1 A
Rated current, max. 6 A
Rated power, max. DC 250 W



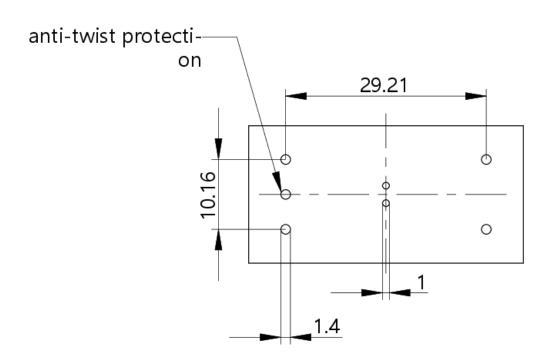
drawings

Dimensioned drawing



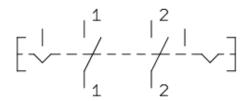


PCB drawing





Schematic diagram



2 NO

RAFI GmbH & Co. KG