

## Datasheet - NK-T-21-1ST8-2



Command and signalling devices / Spring-return joystick switches / Maintained joystick switches RK / NK / NK - Spring-return joystick switches / Maintained joystick switches



- Spring-return joystick switches
- Mounting hole 22.3 mm
- Mounting Knurled nut
- bis 6 mm Front plate thickness
- Suitable for food processing industry

(Minor differences between the printed image and the original product may exist!)


### Ordering details

Product type description	NK-T-21-1ST8-2
Article number	103012433
EAN Code	4030661490274
eCl@ss	27-37-14-04

### Approval

Approval

### Global Properties

Permanent light	Kreuztaster NK
Standards	IEC 60947-5-1, IEC 60947-1
Compliance with the Directives (Y/N) 	Yes
Suitable for safety functions (Y/N)	No
suitable for exterior use (Y/N)	Yes
Mounting	central nut AF41
Mounting position	arbitrarily
Materials	
- Material of the front ring	Plastic
- Material of the bellows	Silicone
Material thickness of the sealing bellows	1.5

Color	
- Colour of the bellows	Blue
- Colour of the front ring	Black
Weight	140

## Mechanical data

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Design of electrical connection	Connector M12, 8-pole
Number of terminals	1
Mechanical life	
Total	1.000.000 operations
Touch position	500000 operations for each position
Switching frequency	1200 s
Actuating force	11
actuating travel	20
restistance to shock	30 / 11
Continuous shock	10 / 16
Resistance to vibrations (reed contacts)	20 / 10 ... 2000
additional sealing element (Y/N)	Yes
Latching (Y/N)	No
Probing possible (Y/N)	Yes
Return to zero position (Y/N)	Yes
Number of directions	2
Number of switch positions	0
Number of the touch position	2
Position A, B	
Front plate thickness	
- min. front plate thickness	1.5
- max. front plate thickness	6

## Ambient conditions

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Ambient temperature	
- Min. environmental temperature	-40
- Max. environmental temperature	+80
Protection class	
outside front plate	IP67, IP69
contact element	IP67
Degree of pollution	2

## Electrical data

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Switching principle	reed contacts, Non-contact principle
Switching capacity	7.2
Rated impulse withstand voltage	0,5
Rated insulation voltage	30
Operating current	0,3 A
Utilisation category	DC-12: 30 V / 0,3 A
Max. fuse rating	0,5 A
Contacts at position	
- A	1 Normally open contact (NO)
- B	1 Normally open contact (NO)
- C	-
- D	-

## ATEX

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Explosion protection categories for gases	None
Explosion protected category for dusts	None

## Dimensions

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Dimensions	
- Length of the actuator	85
- Mounting depth	30 plus Connector
Hole of central anchorage, diameter	22.7
Mounting hole IEC/EN 60947-1	22.3 + 0,4
Spacing	90 x 90

## Documents

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**Operating instructions and Declaration of conformity (fr)** 1 MB, 14.11.2018

Code: mrl\_rk-nk\_fr

**Operating instructions and Declaration of conformity (it)** 977 kB, 26.06.2017

Code: mrl\_rk-nk\_it

**Operating instructions and Declaration of conformity (pl)** 1 MB, 06.12.2018

Code: mrl\_rk-nk\_pl

**Operating instructions and Declaration of conformity (nl)** 1 MB, 23.10.2018

Code: mrl\_rk-nk\_nl

**Operating instructions and Declaration of conformity (de)** 1 MB, 19.09.2018

Code: mrl\_rk-nk\_de

**Operating instructions and Declaration of conformity (pt)** 1 MB, 26.10.2018

Code: mrl\_rk-nk\_pt

**Operating instructions and Declaration of conformity (en)** 1 MB, 19.09.2018

Code: mrl\_rk-nk\_en

**Operating instructions and Declaration of conformity (es)** 1 MB, 25.10.2018

Code: mrl\_rk-nk\_es

**Brochure (en)** 764 kB, 23.11.2017

Code: b\_nkrk01\_en

**Brochure (es)** 957 kB, 11.11.2016

Code: b\_nkrk01\_es

**Brochure (fr)** 916 kB, 20.01.2017

Code: b\_nkrk01\_fr

**Brochure (pt)** 1 MB, 02.11.2016

Code: b\_nkrk01\_pt

**Brochure (de)** 773 kB, 23.11.2017

Code: b\_nkrk01\_de

**DGUV - Zertifikat** (en) 1 MB, 28.04.2017

Code: q\_nkp02

**DGUV - Zertifikat** (de) 1 MB, 28.04.2017

Code: q\_nkp01

**DGUV - Zertifikat** (fr) 1 MB, 28.04.2017

Code: q\_nkp03

## Images

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The data and values have been checked thoroughly. Technical modifications and errors excepted.

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