

## Datasheet - NK-T-41-1ST8-2



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-41-1ST8-2 |
| Article number           | 103012431      |
| EAN Code                 | 4030661490281  |
| 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                     | 4                                   |
| Number of switch positions               | 0                                   |
| Number of the touch position             | 4                                   |
| Position A, B, C, D                      |                                     |
| 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                             | 1 Normally open contact (NO)         |
| - D                             | 1 Normally open contact (NO)         |

## 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.

Generiert am 13.02.2019 - 12:57:20h Kasbase 3.3.0.F.64I