



NK-T-41-1ST8-2

- Spring-return joystick switches
- Mounting hole 22.3 mm
- Mounting Knurled nut
- up to 6 mm front plate thickness
- Suitable for food processing industry

Data

Ordering data

| | |
|-------------------------------|---------------|
| EAN (European Article Number) | 4030661490281 |
| eCl@ss number, Version 9.0 | 27-37-14-04 |
| eCl@ss number, Version 11.0 | 27-37-14-04 |
| ETIM number, version 6.0 | EC000632 |

Approval - Standards

| | |
|--------------|-------------|
| Certificates | BG cULus |
|--------------|-------------|

General data

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|--------------------------------------|------------------------------|
| Standards | IEC 60947-5-1 IEC 60947-1 |
| Installation conditions (mechanical) | arbitrarily |
| Material of the operators | Plastic |
| Material of the front ring | Plastic |
| Material of the bellows | Silicone |

| | |
|---|--------|
| Material thickness of the sealing bellows | 1.5 mm |
| Colour of the front ring | Black |
| Colour of the bellows | Blue |
| Gross weight | 160 g |

General data - Features

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|--------------------------------|---------------------|
| Return to zero position | Yes |
| Sealing element, additional | Yes |
| External applications | Yes |
| Probing possible | Yes |
| Number of directions | 4 |
| Number of the touch position | 4 |
| Note (Touch positions) | Position A, B, C, D |
| Number of mechanical terminals | 1 |

Mechanical data

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|---|----------------------|
| Mechanical life, minimum | 1,000,000 Operations |
| Mechanical life, Touch position (for each position) | 500,000 Operations |
| switching angle | 20 ° |
| Actuating force, approx. | 11 N |
| Mounting | central nut SW41 |

Mechanical data - Connection technique

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|--------------------|-----------------------|
| Terminal Connector | Connector M12, 8-pole |
|--------------------|-----------------------|

Mechanical data - Dimensions

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|-----------------------|-----------------|
| Mounting depth | 30 mm |
| Note (Mounting depth) | Plus connectors |

| | |
|---|---------------|
| Length of the actuator | 85 mm |
| Diameter hole | 22.3 mm |
| Diameter hole, central mounting | 22.7 mm |
| Thickness, of the front panel, minimum | 1.5 mm |
| Thickness of the front panel, maximum | 6 mm |
| Diameter for the Installation to IEC/EN 60947-1 | 22.3 + 0.4 mm |
| Spacing | 90 x 90 mm |

Ambient conditions

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|---|--------------|
| Degree of protection of the contact element | IP67 |
| Degree of protection of the front panel | IP67 IP69 |
| Ambient temperature, minimum | -40 °C |
| Ambient temperature, maximum | +80 °C |
| Resistance to shock | 30 g / 11 ms |

Ambient conditions - Insulation value

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|---|--------|
| Rated insulation voltage U_i | 30 V |
| Rated impulse withstand voltage U_{imp} | 0.5 kV |
| Degree of pollution to VDE 0100 | 2 |

Electrical data

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|-----------------------------|--------------------------------------|
| Operating current | 300 mA |
| Utilisation category DC-12 | 30 VDC |
| Utilisation category DC-12 | 0.3 A |
| Switching capacity, maximum | 7.2 W |
| Switching principle | Reed contacts, Non-contact principle |
| Switching frequency | 1,200 /h |

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The details and data referred to have been carefully checked. Images may diverge from original. Further technical data

can be found in the manual. Technical amendments and errors possible.

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