# DATASHEET



## TESK-SU-12ST1

- connector plug M12 bottom
- [redacted]
- [redacted]
- Metal enclosure

## Data

### Ordering data

| | |
|---|---|
| Product type description | TESK-SU-12ST1 |
| Article number (order number) | 103005763 |
| EAN (European Article Number) | 4030661435756 |
| eCl@ss number, version 9.0 | 27-27-06-09 |
| eCl@ss number, version 11.0 | 27-27-06-09 |
| eCl@ss number, version 12.0 | 27-27-06-09 |
| ETIM number, version 7.0 | EC002591 |
| ETIM number, version 6.0 | EC002591 |

### Approvals - Standards

| | |
|---|---|
| Certificates | cULus<br>CCC<br>EAC |

### General data

| | |
|---|---|
| Enclosure material | Zinc die-cast |
| Material of the contacts, electrical | Silver-nickel alloy 10 |
| Colour of the housing | Silver |
| Gross weight | 340 g |

## General data - Features

| | |
|---|---|
| Mounting inside | Yes |
| Adjustable switching angle | Yes |
| Alignment aid | Yes |
| Number of auxiliary contacts | 1 |
| Number of safety contacts | 2 |

### Safety classification

| | |
|---|---|
| Standards | BG-GS-ET-15<br>EN ISO 13849-1<br>EN 60947-5-1 |
| Mission time | 20 Year(s) |

## Safety classification - Safety outputs

| | |
|---|---|
| $B_{10D}$ Normally-closed contact (NC) | 2,000,000 Operations |
| $B_{10D}$ Normally open contact (NO) | 1,000,000 Operations |

## Mechanical data

| | |
|---|---|
| Mechanical life, minimum | 1,000,000 Operations |

## Mechanical data - Connection technique

| | |
|---|---|
| Type of connection | Connector M12 |
| Cable section, minimum | 0.5 mm² |
| Cable section, maximum | 1 mm² |
| Note (Cable section) | All indications including the conductor ferrules. |

## Mechanical data - Dimensions

| | |
|---|---|
| Length of sensor | 20 mm |
| Width of sensor | 78 mm |
| Height of sensor | 116 mm |

## Ambient conditions

| | |
|---|---|
| Degree of protection | IP65 |
| Ambient temperature, minimum | -25 °C |
| Ambient temperature, maximum | +65 °C |

## Ambient conditions - Insulation values

| | |
|---|---|
| Rated insulation voltage $U_i$ | 30 V |
| Rated impulse withstand voltage $U_{imp}$ | 0.5 kV |

## Electrical data

| | |
|---|---|
| Thermal test current | 2.5 A |
| Utilisation category AC-15 | 230 VAC |
| Utilisation category AC-15 | 2 A |
| Utilisation category DC-13 | 24 VDC |
| Utilisation category DC-13 | 1 A |
| Switching element | NO contact, NC contact |
| Switching principle | Creep circuit element |
| Switching frequency | 1,200 /h |

## Ordering code

Product type description:
TESK-(1)-(2)-(3)-(4)-(5)

(1)

| | |
|---|---|
| **S** | Standard hinge |
| **L** | Long hinge part |

(2)

| | |
|---|---|
| **A** | pre-set for front mounting |
| **I** | pre-set for interior fitting |
| **U** | adjustable switching angle |

(3)

| | |
|---|---|
| **22** | 2 NO contacts/2 NC contact |
| **12** | 1 NO contact/2 NC contacts |
| **13** | 1 NO contacts/3 NC contact |
| **02** | 2 NC contact |
| **11** | 1 NO contacts/1 NC contact |

(4)

| | |
|---|---|
| **L1** | Cable downwards |
| **L2** | Cable upwards |
| **ST1** | Connector plug bottom |
| **ST2** | Connector plug top |

(5)

| | |
|---|---|
| **3M** | Cable length 3 m (only L1 / L2) |
| **5M** | Cable length 5 m (only L1 / L2) |
| **10M** | Cable length 10 m (only L1 / L2) |
| **20M** | Cable length 20 m (only L1 / L2) |
| **30M** | Cable length 30 m (only L1 / L2) |

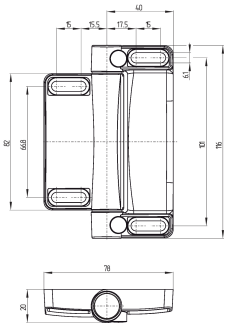
## Pictures

### Product picture (catalogue individual photo)



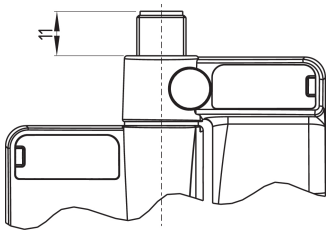
ID: kteskf03
| 24.9 MB | .tif | 101.092 x 199.983 mm - 1194 x 2362 px - 300 dpi
| 1.0 MB | .jpg | 352.778 x 528.814 mm - 1000 x 1499 px - 72 dpi
| 80.1 kB | .png | 73.731 x 110.772 mm - 209 x 314 px - 72 dpi

## Dimensional drawing basic component



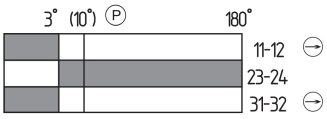
ID: kteskg01
| 283.6 kB | .ai | 210 x 297 mm - 595 x 841 px - 72 dpi
| 15.8 kB | .png | 74.083 x 105.833 mm - 210 x 300 px - 72 dpi
| 253.7 kB | .jpg | 352.425 x 504.472 mm - 999 x 1430 px - 72 dpi

## Dimensional drawing miscellaneous



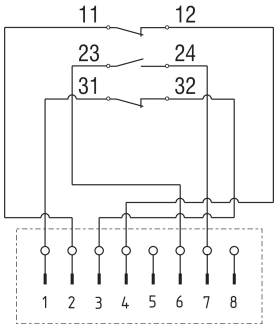

ID: kteskg03
| 101.9 kB | .ai | 210 x 297 mm - 595 x 841 px - 72 dpi
| 115.2 kB | .jpg | 352.778 x 247.297 mm - 1000 x 701 px - 72 dpi

## Switch travel diagram




ID: ktesks02
| 18.1 kB | .cdr |
| 1.9 kB | .png | 74.083 x 26.106 mm - 210 x 74 px - 72 dpi
| 51.9 kB | .jpg | 352.778 x 124.531 mm - 1000 x 353 px - 72 dpi

## Diagram




ID: kteskk08
| 76.5 kB | .ai | 297 x 210.002 mm - 841 x 595 px - 72 dpi
| 115.7 kB | .jpg | 352.778 x 418.747 mm - 1000 x 1187 px - 72 dpi

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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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