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 CCC 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 EN ISO 13849-1 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)

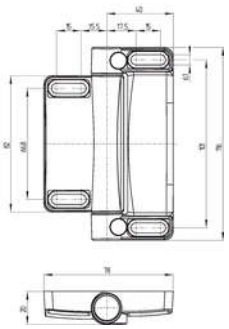
Pictures

Product picture (catalogue individual photo)



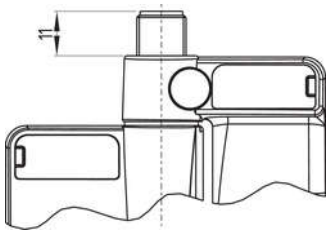
ID: kteskf03
| 24.9 MB | .tif | 101.092 x 199.983 mm - 1194 x 2362 px - 300 dpi
| 1.0 MB | .jpg | 352.778 x 528.814 mm - 1000 x 1499 px - 72 dpi
| 80.1 kB | .png | 73.731 x 110.772 mm - 209 x 314 px - 72 dpi

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



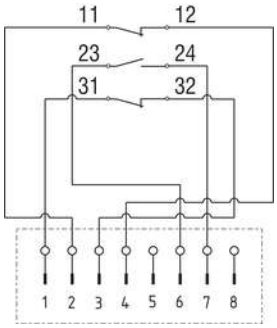
ID: kteskg03
| 101.9 kB | .ai | 210 x 297 mm - 595 x 841 px - 72 dpi
| 115.2 kB | .jpg | 352.778 x 247.297 mm - 1000 x 701 px - 72 dpi

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

Schmersal India Pvt. Ltd., Plot No - G-7/1, Ranjangaon MIDC, Tal. - Shirur, Dist.- Pune 412 220
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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