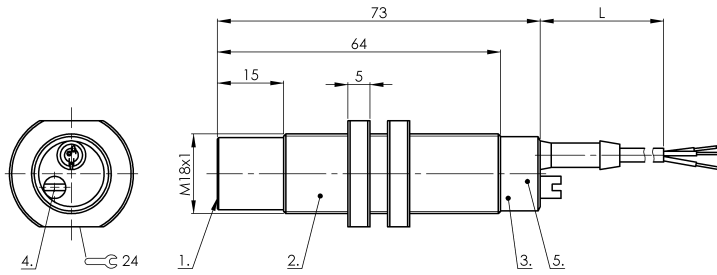
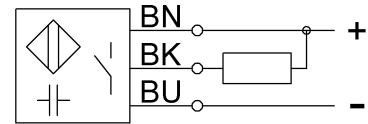


SK1-15-M18-NNBS-CPTFE CS0075



Wiring Diagram



1) Sensing surface 2) Housing 3) Cover 4) Potentiometer 5) LED function indicator



Electrical connection

| | |
|-----------------------------|----------------------|
| Cable length | 2 m |
| Conductor cross-section | 0.20 mm ² |
| Connection type | Cable, 2.00 m, PTFE |
| Number of conductors | 3 |
| Polarity reversal protected | yes |
| Short-circuit protection | yes |

Electrical data

| | |
|---|-------------|
| Hysteresis H max. (% of Sr) | 15.0 % |
| MTTF (40 °C) | 300 a |
| Operating voltage U _b | 10...35 VDC |
| Protected against miswiring | yes |
| Rated insulation voltage U _i | 75 V DC |
| Rated operating current I _e DC | 300 mA |
| Repeat accuracy max. (% of Sr) | 2.0 % |
| Switching frequency | 100 Hz |
| Utilization category | DC -13 |
| Voltage drop static max. | 1.5 V |

Environmental conditions

| | |
|---------------------------|-------------|
| Ambient temperature | -30...70 °C |
| Protection type IEC 60529 | IP67 |

Functional safety

| | |
|---------------------|-----|
| Diagnostic coverage | 0 % |
| Functional safety | no |

General data

| | |
|---------------------|-------------------------------|
| Approval/Conformity | CE cULus |
| Basic standard | IEC 60947-5-2 |
| Scope of delivery | Nut (2x) |
| Sensitivity | Switching distance adjustable |

Material

| | |
|--------------------------|------|
| Cover material | PTFE |
| Housing material | PTFE |
| Material cover | PTFE |
| Material jacket | PTFE |
| Material sensing surface | PTFE |

Mechanical data

| | |
|-------------------|-----------|
| Dimension | undefined |
| Installation | non-flush |
| Size | M18x1 |
| Tightening torque | 0.5 Nm |

Output/Interface

| | |
|------------------|------------------------|
| Switching output | NPN Normally open (NO) |
|------------------|------------------------|

Range/Distance

| | |
|---|-----------|
| Measuring range | 2...15 mm |
| Range | 2...15 mm |
| Rated operating distance S _n | 15 mm |
| Ripple max. (% of U _e) | 10 % |
| Temperature drift max. (% of Sr) | 15 % |