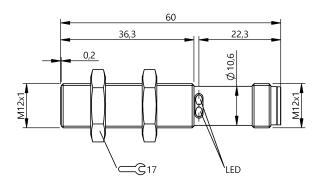
BCS M12K4D2-GOM50C-S04G

Order Code: BCS017L













| Basic | features |
|-------|-----------|
| 20010 | 100000100 |

| Approval/Conformity | CE |
|---------------------|------------------------------|
| | UKCA |
| | cULus |
| | WEEE |
| Basic standard | IEC 60947-5-2 |
| Scope of delivery | 2x nut M12x1 |
| | Installation guide |
| Sensitivity | Switching distance teachable |
| Series | M12 |
| | |

Display/Operation

Function indicator yes Power indicator yes

Electrical connection

| Connection | M12x1-Male, 4-pin, A-coded |
|-----------------------------------|----------------------------|
| Polarity reversal protected | yes |
| Protection against device mix-ups | yes |
| Short-circuit protection | yes |

Electrical data

| Load capacitance max. at Ue | 220 nF |
|-------------------------------|----------|
| No-load current lo max. at Ue | 15 mA |
| Operating voltage Ub | 1230 VDC |
| Rated insulation voltage Ui | 75 V DC |
| Rated operating current le | 100 mA |
| Rated operating voltage Ue DC | 24 V |
| Ready delay tv max. | 50 ms |
| Ripple max. (% of Ue) | 10 % |
| Switching frequency | 100 Hz |
| Utilization category | DC -13 |
| Voltage drop static max. | 2 V |

Environmental conditions

| Ambient temperature | -1080 °C |
|---------------------|----------|
| Contamination scale | 1 |
| IP rating | IP67 |

Functional safety

| MTTF (40 °C) | 96.6 a |
|--------------|--------|
|--------------|--------|

Interface

| Switching output | Push-pull PNP normally closed |
|------------------|-------------------------------|
| | (NC) / NPN normally open (NO) |

Material

Subject to change without notice: 263437

| Cover material | PA 12 |
|--------------------------|------------------------|
| Housing material | 1.4404 stainless steel |
| Material sensing surface | PEEK |

Capacitive Sensors

BCS M12K4D2-GOM50C-S04G Order Code: BCS017L



Mechanical data

DimensionØ 12 x 60 mmInstallationfor flush mountingSizeM12x1Thread (A)M12x1Tightening torque8 Nm

Range/Distance

Hysteresis H max. (% of Sr) 15 %

Measuring range 0.5...5 mm

Rated operating distance Sn 5 mm

Repeat accuracy max. (% of Sr) 2 %

Temperature drift max. (% of Sr) 20 %

Remarks

For full calibration connect input DI to L+ for 2...7 seconds. For empty calibration connect to L+ for 7..12 seconds.

Input DI can be used for teaching the switching point. In normal operation input DI should be connected continuously to L-.

The push-pull switching outputs must not be connected in parallel.

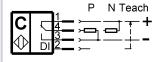
For more information about MTTF and B10d see MTTF / B10d Certificate

Indication of the MTTF- / B10d value does not represent a binding composition and/or life expectancy assurance; these are simply experiential values with no warranty implications. These declared values also do not extend the expiration period for defect claims or affect it in any way.

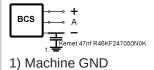
Connector Drawings



Wiring Diagrams



Installation remarks



2/2