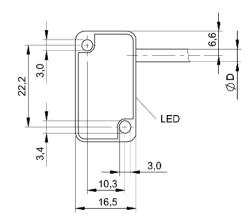
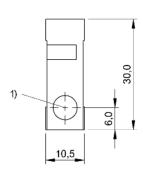
# BES 517-351-NO-C-03 **Order Code: BES01MM**

# BVLLUFF





## 1) Sensing surface









## **Basic features**

Approval/Conformity CE UKCA cULus

WEEE

Basic standard

IEC 60947-5-2

#### Display/Operation

**Function indicator** yes Power indicator no

#### **Electrical connection**

Cable diameter D 3.50 mm Cable length L 3 m Conductor cross-section 0.14 mm<sup>2</sup> Cable, 3.00 m, PVC Connection type

**Number of conductors** Polarity reversal protected yes Protection against device mix-ups yes Short-circuit protection ves

#### **Electrical data**

Load capacitance max. at Ue 1 μF Min. operating current Im 0 mA No-load current lo max., damped 3 mA No-load current lo max., undamped 10 mA Operating voltage Ub 10...30 VDC Output resistance Ra 33.0 kOhm + D 75 V DC Rated insulation voltage Ui Rated operating current le 200 mA Rated operating voltage Ue DC 24 V Rated short circuit current 100 A 50 ms Ready delay tv max. Residual current Ir max. 80 μΑ Ripple max. (% of Ue) 15 % Switching frequency 2500 Hz DC -13 **Utilization category** Voltage drop static max. 2 V

#### **Environmental conditions**

Ambient temperature -25...70 °C Contamination scale

EN 60068-2-27, Shock Half-sinus, 30  $g_n$ , 11 ms

EN 60068-2-6, Vibration 55 Hz, amplitude 1 mm, 3x30 min

IP rating IP65

#### **Functional safety**

MTTF (40 °C) 830 a

### **Inductive Sensors**

# BES 517-351-NO-C-03 **Order Code: BES01MM**



#### Interface

Switching output PNP normally closed (NC) Material Housing material PBT, GF20 PVC Material jacket Material sensing surface PBT, GF20

#### Mechanical data

Dimension 30 x 10.5 x 16.5 mm Installation for flush mounting 30x10.5x16.5 Size

## Range/Distance

Assured operating distance Sa 1.6 mm Hysteresis H max. (% of Sr) 15.0 % Rated operating distance Sn 2 mm Real switching distance sr 2 mm Repeat accuracy max. (% of Sr) 5.0 % Temperature drift max. (% of Sr) 10 % **Tolerance Sr** ±10 %

#### Remarks

The sensor is functional again after the overload has been eliminated.

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.

Subject to change without notice: 122083

# **Wiring Diagrams**

