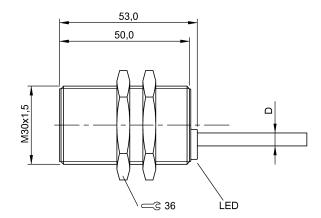
## BES M30MI-PSC15B-BP05 **Order Code: BES00A8**









Class 2 Type 1





#### **Basic features**

Approval/Conformity cULus CF EAC WEEE

IEC 60947-5-2 Basic standard Global Trademark

## Display/Operation

**Function indicator** yes Power indicator

#### **Electrical connection**

Cable diameter D 4.60 mm Cable length L 5 m Conductor cross-section 0.34 mm<sup>2</sup> Cable, 5.00 m, PUR Connection type **Number of conductors** 3 Polarity reversal protected yes Protection against device mix-ups yes Short-circuit protection yes

### Electrical data

Load capacitance max. at Ue  $0.5~\mu\text{F}$ 0 mA Min. operating current Im No-load current lo max., damped 10 mA No-load current lo max., undamped 5 mA Operating voltage Ub 10...30 VDC Output resistance Ra 33.0 kOhm + D **Protection class** Rated insulation voltage Ui 250 V AC Rated operating current le 200 mA Rated operating voltage Ue DC 24 V Rated short circuit current 100 A Ready delay tv max. 15 ms Residual current Ir max. 10 μΑ

Ripple max. (% of Ue) 15 % Switching frequency 100 Hz **Utilization category** DC -13 2.5 V Voltage drop static max.

### **Environmental conditions**

-25...70 °C Ambient temperature Contamination scale 3

EN 60068-2-27, Shock Half-sinus, 30 gn, 11 ms EN 60068-2-6, Vibration 55 Hz, amplitude 1 mm, 3x30 min

Protection degree IP67

### **Functional** safety

Subject to change without notice: 212575

MTTF (40 °C) 640 a

## BES M30MI-PSC15B-BP05 Order Code: BES00A8



### Material

Housing materialBrassMaterial jacketPURMaterial sensing surfacePA 12

Surface protection Nickel-free coated

## Mechanical data

DimensionØ 30 x 53 mmInstallationfor flush mountingSizeM30x1.5Tightening torque70 Nm

## Output/Interface

Switching output	PNP normally open (NO)
Range/Distance	
Assured operating distance Sa	12.2 mm
Hysteresis H max. (% of Sr)	15.0 %
Rated operating distance Sn	15 mm
Real switching distance sr	15 mm
Repeat accuracy max. (% of Sr)	5.0 %
Switching distance marking	
Temperature drift max. (% of Sr)	10 %
Tolerance Sr	±10 %

### Remarks

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

Flush: See installation instructions for inductive sensors with extended range 825357.

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.

# **Wiring Diagrams**

