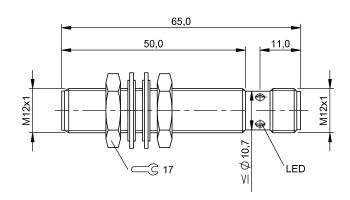
## BES M12MI-PSH80B-S04G Order Code: BES01ZN







### **Basic features**

Approval/Conformity CE EAC WEEE

Basic standard IEC 60947-5-2

Display/Operation

Function indicator yes
Power indicator no

**Electrical connection** 

Short-circuit protection

 Connection
 M12x1-Male, 4-pin, A-coded

 Polarity reversal protected
 yes

 Protection against device mix-ups
 yes

yes

## **Electrical data**

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. 10 ms Residual current Ir max. 10 μΑ Ripple max. (% of Ue) 15 % Switching frequency 300 Hz **Utilization category** DC -13 2.5 V Voltage drop static max.

## **Environmental conditions**

**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** 

MTTF (40 °C) 355 a

## BES M12MI-PSH80B-S04G **Order Code: BES01ZN**



### Material

Housing material Brass, nickel plated Material sensing surface LCP Mechanical data

Dimension	Ø 12 x 65 mm
Installation	quasi-flush
Size	M12x1
Tightening torque	10 Nm

## Output/Interface

Switching output	PNP normally open (NO)
Range/Distance	
Assured operating distance Sa	5.8 mm
Hysteresis H max. (% of Sr)	15.0 %
Rated operating distance Sn	8 mm
Real switching distance sr	8 mm
Repeat accuracy max. (% of Sr)	10.0 %
Switching distance marking	
Temperature drift max. (% of Sr)	20 %
Tolerance Sr	±10 %

### Remarks

Quasi-flushed: See installation instructions for inductive sensors with extended range 825356.

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

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

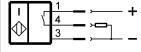
Indication of the MTTF- / B10d value does not represent a binding composition and/or life expectancy assurance; these are simply experiential values with no warranty implications. These declared values also do not extend the expiration period for defect claims or affect it in any way.

Subject to change without notice: 183546

## **Connector Drawings**



# **Wiring Diagrams**



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