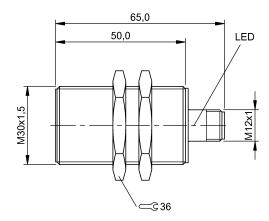
BES M30MI-PSC15B-S04K **Order Code: BES00AH**













Basic features

Approval/Conformity	CE
	cUl

JLus EAC WEEE

IEC 60947-5-2 Basic standard Trademark Global

Display/Operation

Function indicator Power indicator no

Electrical connection

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

Electrical data

Load capacitance max. at Ue $0.5~\mu\text{F}$ Min. operating current Im 0 mA 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

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

10 μΑ

Protection degree IP67

Functional safety

Residual current Ir max.

MTTF (40 °C) 640 a

BES M30MI-PSC15B-S04K Order Code: BES00AH



Material

Housing materialBrassMaterial sensing surfacePA 12

Surface protection Nickel-free coated

Mechanical data

DimensionØ 30 x 65 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

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

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

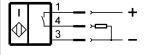
For more information about MTTF and B10d see MTTF / B10d Certificate

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.

Connector Drawings



Wiring Diagrams



Subject to change without notice: 183467