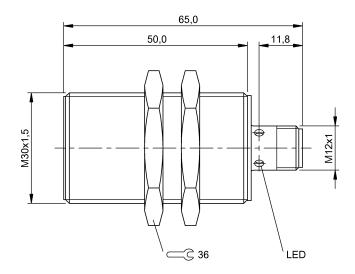
BES M30MI-PSC15B-S04G **Order Code: BES00AF**











IND. CONT. EQ. **81U2** Class 2 Type 1





Basic features

Approval/Conformity CE

cULus EAC WEEE

IEC 60947-5-2 Basic standard Global Trademark

Display/Operation

Function indicator yes 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 $0.5~\mu\text{F}$ 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

MTTF (40 °C) 640 a

BES M30MI-PSC15B-S04G **Order Code: BES00AF**



Material

Housing material Brass Material sensing surface PA 12

Surface protection Nickel-free coated

Mechanical data

Dimension Ø 30 x 65 mm Installation for flush mounting M30x1.5 Size **Tightening torque** 70 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.

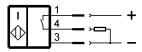
For more information about MTTF and B10d see MTTF / B10d Certificate

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



2/2