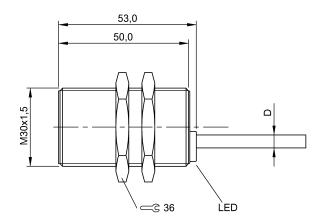
BES M30MI-PSC15B-BV03

Order Code: BES00AC













4.60 mm



Basic features

Approval/Conformity CE UKCA cULus WEEE IEC 60947-5-2 Basic standard Principle of operation Inductive sensor Trademark Global

Display/Operation

Function indicator Power indicator nο

Electrical connection

Cable diameter D

Cable length L 3 m 0.34 mm² Conductor cross-section Connection type Cable, 3.00 m, PVC Number of conductors Polarity reversal protected Protection against device mix-ups ves Short-circuit protection yes

Electrical data

Subject to change without notice: 183468

Load capacitance max. at Ue 0.5 µF 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 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 Ambient temperature -25...70 °C Contamination scale 3 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 IP67 Functional safety MTTF (40 °C) 640 a Interface Switching output PNP normally open (NO)

Inductive Sensors

BES M30MI-PSC15B-BV03 Order Code: BES00AC



Material

Housing material Brass, Nickel-free coated

Material jacketPVCMaterial sensing surfacePA 12

Mechanical data

 Dimension
 Ø 30 x 53 mm

 Installation
 for flush mounting

 Mounting length
 50.00 mm

 Size
 M30x1.5

 Tightening torque
 70 Nm

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 (Schematic)

