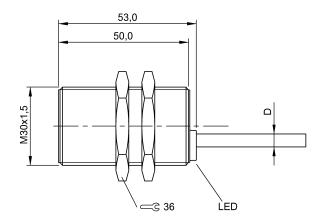
# BES M30MI-PSC15B-BV03

Order Code: BES00AC















#### Basic features

Approval/Conformity	CE UKCA cULus WEEE
Basic standard	IEC 60947-5-2
Trademark	Global
Display/Operation	
Function indicator	yes
Power indicator	no
Electrical connection	
Cable diameter D	4.60 mm
Cable length L	3 m

0.34 mm<sup>2</sup> Conductor cross-section Connection type Cable, 3.00 m, PVC 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 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	1030 VDC
Output resistance Ra	33.0 kOhm + D
Protection class	II
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
Voltage drop static max.	2.5 V

Environmental conditions	
Ambient temperature	-2570 °C
Contamination scale	3
EN 60068-2-27, Shock	Half-sinus, 30 g <sub>n</sub> , 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
Hysteresis H max. (% of Sr)
Rated operating distance Sn
Real switching distance sr
Repeat accuracy max. (% of Sr)
Switching distance marking
Temperature drift max. (% of Sr)
Tolerance Sr

10 % ±10 %

12.2 mm

15.0 %

15 mm

15 mm

5.0 %

#### 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

