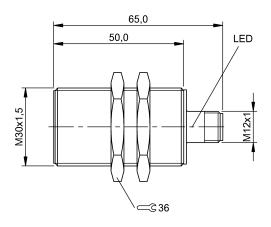
Inductive Sensors BES M30MI-POC15B-S04K Ordercode: BES009U

BALLUFF







yes no

yes

yes

M12x1-Male, 4-pole, A-coded

Display/Operation

Function indicator	
Power indicator	

Electrical connection

Connection Protection against device mix-ups Short-circuit protection

Electrical data

Contamination scale	3
Hysteresis H max. (% of Sr)	15.0 %
Load capacitance max. at Ue	0.5 µF
No-load current lo undamped max.	10 mA
Operating voltage Ub	1030 VDC
Output resistance Ra	33.0 kOhm + D
Polarity reversal protected	yes
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
Repeat accuracy max. (% of Sr)	5.0 %
Residual current Ir max.	10 µA
Ripple max. (% of Ue)	15 %
Switching frequency	100 Hz
Utilization category	DC-13
Voltage drop static max.	2.5 V

Environmental conditions

Ambient temperature

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-25...70 °C

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IP rating per IEC 60529	IP67
Functional safety	
MTTF (40 °C)	640 a
General data	
Approval/Conformity Basic standard Trademark	CE cULus EAC IEC 60947-5-2 Global
Material	
Housing material Material sensing surface Surface protection	Brass PA 12 nickel-free coated
Mechanical data	
Dimension Installation Size Tightening torque	Ø 30 x 65 mm for flush mounting M30x1.5 70 Nm
Output/Interface	
Switching output	PNP Normally closed (NC)
Range/Distance	
Assured operating distance Sa Effective operating distance Sr Rated operating distance Sn	12.2 mm 15 mm 15 mm

For definitions of terms, see main catalog Subject to change without notice

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Switching distance marking	
Temperature drift max. (% of Sr)	

∎∎ 10 %

Remarks

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

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

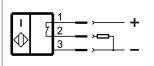
For further information on MTTF/B10d, please refer to the MTTF / B10d Certificate.

Specification of the MTTF value and the B10d value do not represent any binding quality and/or life expectancy guarantees.

Connector view



Wiring Diagram



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