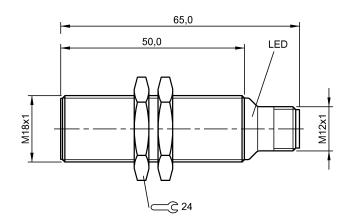
BES M18MI-POC50B-S04K

Order Code: BES007W















Basic features

Approval/Conformity cULus CF EAC WEEE

IEC 60947-5-2 Basic standard Global Trademark

Display/Operation

Function indicator yes Power indicator no

Electrical connection

Short-circuit protection

Internet

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

yes

Electrical data

Load capacitance max. at Ue $1 \, \mu F$ Min. operating current Im 0 mA No-load current lo max., damped 6 mA No-load current lo max., undamped 15 mA Operating voltage Ub 12...30 VDC Output resistance Ra 33.0 kOhm + 2D **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. 30 ms Residual current Ir max. 20 μΑ Ripple max. (% of Ue) 15 % Switching frequency 700 Hz **Utilization category** DC -13 2.5 V Voltage drop static max.

Environmental conditions

-25...70 °C Ambient temperature Contamination scale

EN 60068-2-27, Shock 30 gn, 11 ms, 3x12 shocks EN 60068-2-6, Vibration ₁₀...2000 Hz, 1 mm, 30 gn, 3x5 h

IP rating IP68

Functional safety

MTTF (40 °C) 710 a

Interface

Subject to change without notice: 181957

Switching output PNP normally closed (NC)

Inductive Sensors

BES M18MI-POC50B-S04K **Order Code: BES007W**



Material

Housing material Brass, nickel plated

Material sensing surface PA 12

Mechanical data

Dimension Ø 18 x 65 mm Installation for flush mounting Size M18x1

Tightening torque 35 Nm

Range/Distance

Assured operating distance Sa 4 mm Hysteresis H max. (% of Sr) 15.0 % Rated operating distance Sn 5 mm Real switching distance sr 5 mm Repeat accuracy max. (% of Sr) 5.0 % Temperature drift max. (% of Sr) **Tolerance Sr**

10 % ±10 %

Remarks

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

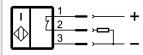
For more information about MTTF and B10d see MTTF / B10d Certificate

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



Internet