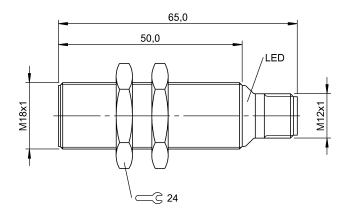
BES M18MI-POC80B-S04K **Order Code: BES007Y**









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 yes Short-circuit protection ves

Electrical data

Load capacitance max. at Ue 1 uF Min. operating current Im 0 mA No-load current lo max., damped 8 mA No-load current lo max., undamped 15 mA 12...30 VDC Operating voltage Ub 33.0 kOhm + D Output resistance Ra Protection class Rated insulation voltage Ui 250 V AC 200 mA Rated operating current le 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 150 Hz **Utilization category** DC -13 Voltage drop static max. 2.5 V

Environmental conditions

Ambient temperature -25...70 °C 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 IP rating IP68

Functional safety

MTTF (40 °C) 330 a

General data

Approval/Conformity CE cULus EAC WFFF IEC 60947-5-2 **Basic standard** Trademark Global

Material

Housing material Brass Material sensing surface PA 12 Surface protection nickel plated

Mechanical data

Dimension Ø 18 x 65 mm Installation for flush mounting Size M18x1 **Tightening torque** 25 Nm

BES M18MI-POC80B-S04K **Order Code: BES007Y**



Output/Interface

Switching output

PNP normally closed (NC)

Range/Distance

Assured operating distance Sa 6.4 mm Hysteresis H max. (% of Sr) 15.0 % Rated operating distance Sn 8 mm Real switching distance sr 8 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 939221.

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

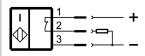
For further information about the MTTF and B10d see MTTF / B10d certificate

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



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Subject to change without notice: 127643