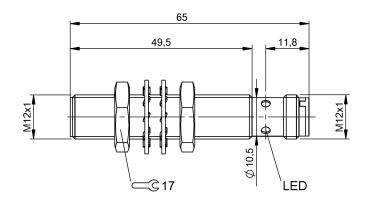
BES M12MI-NOC40B-S04G **Order Code: BES004Z**











Basic features

Approval/Conformity CE cULus

EAC WEEE

IEC 60947-5-2 Basic standard Global Trademark

Display/Operation

Function indicator Power indicator no

Electrical connection

Connection M12x1-Male, 4-pin, A-coded Polarity reversal protected yes

Protection against device mix-ups Short-circuit protection yes

Electrical data

Load capacitance max. at Ue $1 \, \mu F$ 0 mA Min. operating current Im No-load current lo max., damped 2 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. 21 ms Residual current Ir max. 10 μΑ 15 % Ripple max. (% of Ue) Switching frequency 2500 Hz **Utilization category** DC -13

Environmental conditions

-25...70 °C Ambient temperature

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

1.5 V

Protection degree IP68

Functional safety

Subject to change without notice: 244206

Voltage drop static max.

MTTF (40 °C) 555 a

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Material

Housing material Brass Material sensing surface PBT

Surface protection Nickel-free coated

Mechanical data

Dimension Ø 12 x 65 mm Installation for flush mounting M12x1 Size **Tightening torque** 10 Nm

Output/Interface

Switching output NPN normally closed (NC)

Range/Distance

Assured operating distance Sa 3.2 mm Hysteresis H max. (% of Sr) 15.0 % Rated operating distance Sn 4 mm Real switching distance sr 4 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.

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

