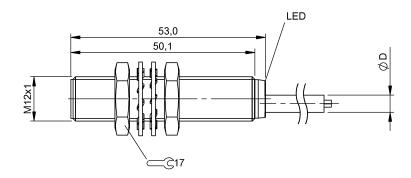
BES M12MI-PSC40B-BV03

Order Code: BES0001







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Approval/Conformity CE UKCA cULus EAC WEEE Basic standard IEC 60947-5-2 Trademark Global

Display/Operation

Function indicator yes Power indicator

Electrical connection

Cable diameter D 4.70 mm Cable length L 3 m Conductor cross-section 0.34 mm² Connection type Cable, 3.00 m, PVC **Number of conductors** Polarity reversal protected yes Protection against device mix-ups yes **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 5 mA No-load current lo max., undamped 2 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 Ripple max. (% of Ue) 15 % Switching frequency 2500 Hz **Utilization category** DC -13 Voltage drop static max. 1.5 V

Environmental conditions

-25...70 °C Ambient temperature Contamination scale 3 EN 60068-2-27, Shock Half-sinus, 30 g_n, 11 ms EN 60068-2-6, Vibration 55 Hz, amplitude 1 mm, 3x30 min IP rating IP68

Functional safety

MTTF (40 °C) 640 a

Interface

Switching output PNP normally open (NO)

Inductive Sensors

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±10 %

Material

Housing materialBrass, Nickel-free coatedMaterial jacketPVCMaterial sensing surfacePBT

Mechanical data

Tightening torque

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 3.2 mm 15.0 % 4 mm 4 mm 5.0 %

Remarks

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

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

10 Nm

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

