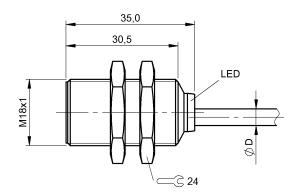
BES M18ME-POC80B-BP10

Order Code: BES05A5















| Ra | eie | features |
|----|-----|----------|
| Вa | SIC | reatures |

Approval/Conformity CE
UKCA
cULus
WEEE

Basic standard IEC 60947-5-2

Display/Operation

Function indicator yes **Power indicator** no

Electrical connection

Cable diameter D 4.50 mm

Cable length L 10 m

Conductor cross-section 0.34 mm²

Connection type Cable, 10.00 m, PUR

Number of conductors 3

Polarity reversal protected yes

Protection against device mix-ups yes

Short-circuit protection yes

Electrical data

Load capacitance max. at Ue 0.5 µF Min. operating current Im 0 mA No-load current lo max., damped 2 mA No-load current lo max., undamped 8 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 100 A Rated short circuit current Ready delay tv max. 30 ms Residual current Ir max. 10 μΑ Ripple max. (% of Ue) 15% Switching frequency 1300 Hz Utilization category DC -13 Voltage drop static max. 2.5 V

Environmental conditions

Ambient temperature-40...85 °CContamination scale3EN 60068-2-27, ShockHalf-sinus, 30 gn, 11 msEN 60068-2-6, Vibration55 Hz, amplitude 1 mm, 3x30 minIP ratingIP68

Functional safety

MTTF (40 °C) 465 a

Interface

Switching output PNP normally closed (NC)

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Material

Housing material Brass, Nickel-free coated

Material jacket PBT Material sensing surface

Mechanical data

Dimension Ø 18 x 35 mm Installation for flush mounting Mounting length 30.5 mm M18x1 Tightening torque 25 Nm

Range/Distance

Assured operating distance Sa 6.4 mm Hysteresis H max. (% of Sr) 15.0 % Rated operating distance Sn 8.0 mm Real switching distance sr 8 mm Repeat accuracy max. (% of Sr) 5.0 % Switching distance marking Temperature drift max. (% of Sr) 15% Tolerance Sr ±10 %

Remarks

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

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

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.

Subject to change without notice: 254819

Wiring Diagrams

