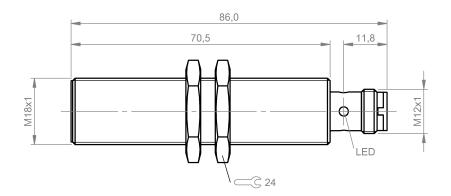
BES M18MP-PAH50B-S04G

Order Code: BES04RH















Basic features

Approval/Conformity

CE EAC WEEE cULus

Basic standard IEC 60947-5-2

Display/Operation

Function indicator yes Power indicator no

Electrical connection

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

Protection against device mix-ups yes Short-circuit protection

Electrical data

Load capacitance max. at Ue Min. operating current Im No-load current lo max., damped

No-load current lo max., undamped Operating voltage Ub

Output resistance Ra

Protection class

Rated insulation voltage Ui Rated operating current le Rated operating voltage Ue DC

Rated short circuit current Ready delay tv max. Residual current Ir max.

Ripple max. (% of Ue) Switching frequency **Utilization category** Voltage drop static max.

 $0.5~\mu\text{F}$ 0 mA 13 mA 7 mA 10...55 VDC

33.0 kOhm + 2D

П

250 V AC 200 mA 24 V 100 A 35 ms 10 μΑ 15 % 2000 Hz

> DC -13 2.5 V

Environmental conditions

-40...85 °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) 281 a

Inductive Sensors

BES M18MP-PAH50B-S04G Order Code: BES04RH



Interface

Switching output PNP normally open/normally closed (NO/NC)

Material

Housing material Brass, Nickel-free coated

Material sensing surface PBT

Mechanical data

SizeM18x1Tightening torque25 Nm

Range/Distance

Assured operating distance Sa 4.0 mm

Hysteresis H max. (% of Sr) 15.0 %

Rated operating distance Sn 5.0 mm

Real switching distance sr 5 mm

Repeat accuracy max. (% of Sr) 5.0 %

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

