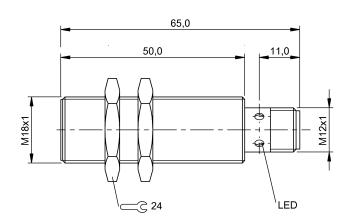
BES M18MI-PSC80B-S04G

Ordercode: BES008L













Display/Operation	,

Function indicator Power indicator

yes no

Electrical connection

Connection Protection against device mix-ups M12x1-Male, 4-pole, A-coded yes

Short-circuit protection

yes

3

15.0 %

0.5 µF

5 mA

yes

Ш

10...30 VDC

250 V AC

200 mA

24 V

100 A

15 ms 5.0 %

10 µA

15 %

1000 Hz

DC-13

2.5 V

33.0 kOhm + D

Electrical data

Contamination scale Hysteresis H max. (% of Sr) Load capacitance max. at Ue

No-load current lo undamped max. Operating voltage Ub

Output resistance Ra Polarity reversal protected

Protection class Rated insulation voltage Ui

Rated operating current le Rated operating voltage Ue DC Rated short circuit current Ready delay tv max. Repeat accuracy max. (% of Sr) Residual current Ir max. Ripple max. (% of Ue)

Switching frequency Utilization category Voltage drop static max.

Environmental conditions

Ambient temperature

-25...70 °C

Internet Balluff Germany Balluff USA **Balluff China**

www.balluff.com +49 (0) 7158 173-0, 173-370 1-800-543-8390 +86 (0) 21-50 644131

IP rating per IEC 60529

IP67

Functional safety

MTTF (40 °C)

830 a

General data

Approval/Conformity

CE cULus EAC

Basic standard Trademark

IEC 60947-5-2 Global

Material

Housing material Material sensing surface Surface protection

Brass PBT

nickel-free coated

Mechanical data

Dimension Installation

Tightening torque

Ø 18 x 65 mm for flush mounting

M18x1 25 Nm

Output/Interface

Switching output

PNP Normally open (NO)

Range/Distance

Assured operating distance Sa Effective operating distance Sr Rated operating distance Sn

Subject to change without notice

6.4 mm 8 mm 8 mm

For definitions of terms, see main catalog

eCl@ss 9.1: 27-27-01-01 ETIM 6.0: EC002714 BES008L_0.24_2017-06-23

Inductive Sensors

BES M18MI-PSC80B-S04G

Ordercode: BES008L



Switching distance marking
Temperature drift max. (% of Sr)

∎∎ 10 % For further information on MTTF/B10d, please refer to the MTTF / B10d Certificate.

Specification of the MTTF value and the B10d value do not represent any binding quality and/or life expectancy guarantees.

Remarks

The sensor is functional again after the overload has been eliminated. Shielded: See installation instructions for inductive sensors with extended range 825357.

Connector view



Wiring Diagram

