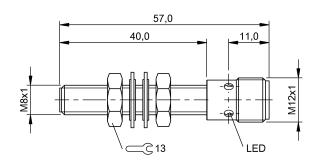
# BES M08EG1-PSC15A-S04G-W

**Order Code: BES02YT** 







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Additional features

Factor 1
Weld immune

Approval/Conformity

CE
EAC
WEEE

Basic standard

IEC 60947-5-2

Trademark

Factor 1

### Display/Operation

Function indicator yes
Power indicator no

#### **Electrical connection**

 Connection
 M12x1-Male, 4-pin, A-coded

 Polarity reversal protected
 yes

 Protection against device mix-ups
 yes

 Short-circuit protection
 yes

#### Electrical data

Load capacitance max. at Ue  $1 \, \mu F$ Magnetic field strength, interference 100 kA/m field Min. operating current Im 0 mA No-load current lo max., damped 15 mA 15 mA No-load current lo max., undamped Operating voltage Ub 10...30 VDC **Protection class** Rated insulation voltage Ui 250 V AC Rated operating current le 150 mA Rated operating voltage Ue DC 24 V Rated short circuit current 100 A Ready delay tv max. 15 ms Residual current Ir max. 80 μΑ 10 % Ripple max. (% of Ue) 2000 Hz Switching frequency **Utilization category** DC -13 Voltage drop static max. 2.5 V

#### **Environmental conditions**

#### **Inductive Sensors**

# BES M08EG1-PSC15A-S04G-W Order Code: BES02YT



±10 %

#### Interface

Switching output PNP normally open (NO)

#### Material

Housing material 1.4301 stainless steel, PTFE

coated

Material sensing surface PBT/PTFE

#### Mechanical data

Size M8x1
Tightening torque 10 Nm

#### Range/Distance

Assured operating distance Sa
Hysteresis H max. (% of Sr)
Rated operating distance Sn
Real switching distance sr
Repeat accuracy max. (% of Sr)
Temperature drift max. (% of Sr)
Tolerance Sr

1.2 mm 15.0 % 1.5 mm 1.5 mm 5.0 % 10 %

#### Remarks

EMC: For operating conditions with noise sources

External protection circuit is required. Document 825345.

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**

