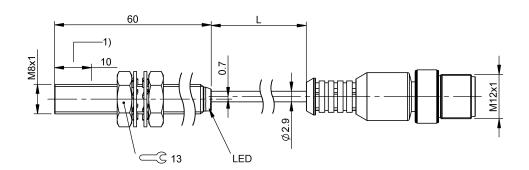
# BES M08MM-PSC40B-BP00,3-GS04 **Order Code: BES05U9**











#### **Basic features**

Approval/Conformity CE

cULus EAC WEEE

IEC 60947-5-2 Basic standard

Display/Operation

**Function indicator** yes Power indicator

**Electrical connection** 

Cable diameter D 3 mm Cable length L 0.3 m

Connection M12x1-Male, 3-pin

Connection type Cable with connector, 0.3 m, PUR

Polarity reversal protected Protection against device mix-ups yes Short-circuit protection

#### **Electrical data**

Load capacitance max. at Ue  $1 \, \mu F$ No-load current lo max., damped 11 mA No-load current lo max., undamped 7 mA Operating voltage Ub 10...30 VDC Output resistance Ra 100.0 kOhm Rated insulation voltage Ui 75 V DC Rated operating current le 200 mA Rated operating voltage Ue DC 24 V Rated short circuit current 100 A Ready delay tv max. 40 ms 10 μΑ Residual current Ir max. Ripple max. (% of Ue) 10 % 1200 Hz Switching frequency DC -13 **Utilization category** 1.5 V Voltage drop static max.

#### **Environmental conditions**

Ambient temperature -25...70 °C Contamination scale

EN 60068-2-27, Shock Half-sinus, 30 gn, 11 ms EN 60068-2-6, Vibration 55 Hz, amplitude 1 mm, 3x30 min

**Protection degree** IP67

**Functional safety** 

MTTF (40 °C) 584 a

# BES M08MM-PSC40B-BP00,3-GS04 **Order Code: BES05U9**



#### Material

Housing material Brass, Nickel-free coated Material jacket PUR Material sensing surface PBT Surface protection Nickel-free coated

### Mechanical data

Dimension Ø 8 x 60 mm Installation quasi-flush Size M8x1 **Tightening torque** 3 Nm

### Output/Interface

Switching output	PNP normally open (NO)
Range/Distance	
Assured operating distance Sa	2.9 mm
Hysteresis H max. (% of Sr)	15.0 %
Rated operating distance Sn	4 mm
Real switching distance sr	4 mm
Switching distance marking	
Temperature drift max. (% of Sr)	15 %
Tolerance Sr	±10 %

#### Remarks

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

1) Do not clamp in this area.

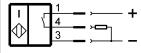
For more information about MTTF and B10d see MTTF / B10d Certificate

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**



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Subject to change without notice: 273020