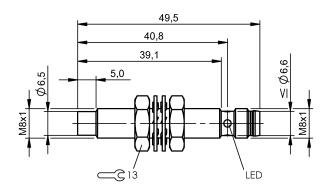
# BES M08EF-PSC40F-S49G **Order Code: BES014M**















### **Basic features**

CE Approval/Conformity cULus EAC WEEE Basic standard IEC 60947-5-2

## Display/Operation

Function indicator yes Power indicator

#### **Electrical connection**

Connection M8x1-Male, 3-pin Polarity reversal protected yes Protection against device mix-ups yes Short-circuit protection yes

### **Electrical data**

Load capacitance max. at Ue 1.0 μF No-load current lo max., damped 7 mA No-load current lo max., undamped 2 mA 10...30 VDC Operating voltage Ub Output resistance Ra 33.0 kOhm Protection class П 250 V AC Rated insulation voltage Ui Rated operating current le 200 mA Rated operating voltage Ue DC 24 V Rated short circuit current 100 A Ready delay tv max. 25 ms Residual current Ir max. 10 μΑ Ripple max. (% of Ue) 10 % Switching frequency 4000 Hz DC -13 **Utilization category** Voltage drop static max. 2.5 V

## **Environmental conditions**

Subject to change without notice: 262173

Ambient temperature -25...70 °C, Temperature drift max. (% of Sr) 15% between 50...70 °C Contamination scale EN 60068-2-27, Shock Half-sinus, 30 g<sub>n</sub>, 11 ms EN 60068-2-6, Vibration 55 Hz, amplitude 1 mm, 3x30 min IP68 IP rating **Functional** safety MTTF (40 °C) 595 a

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# BES M08EF-PSC40F-S49G Order Code: BES014M



#### Material

Installation

Tightening torque

Size

Housing material Stainless steel

Material sensing surface PBT

Mechanical data

Dimension Ø 8 x 50 mm

### Output/Interface

Switching output PNP normally open (NO) Range/Distance Assured operating distance Sa 3.2 mm Hysteresis H max. (% of Sr) 15.0 % Rated operating distance Sn 4 mm Real switching distance sr 4 mm Repeat accuracy max. (% of Sr) 5.0 % Switching distance marking Temperature drift max. (% of Sr) 10 % **Tolerance Sr** ±10 %

### Remarks

Not for flush mounting: See installation instructions for inductive sensors with extended range 939229.

non-flush

M8x1

8 Nm

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**

