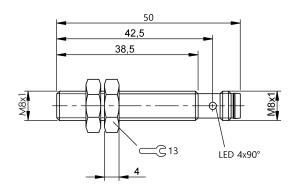
BES M08EG-PSC20B-S49G-S01

Order Code: BES05Y6











Racio	features
Basic	reatures

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

Display/Operation

Function indicator yes Power indicator no

Electrical connection

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

Electrical data

Min. operating current Im 0 mA No-load current lo max., damped 10 mA No-load current lo max., undamped 10 mA Operating voltage Ub 10...30 VDC Protection class Ш Rated insulation voltage Ui 60 V DC Rated operating current le 100 mA Rated operating voltage Ue DC 24 V Ready delay tv max. 300 ms Residual current Ir max. 100 μΑ Ripple max. (% of Ue) 10 % Switching frequency 100 Hz DC -13 Utilization category Voltage drop static max. 2.5 V

Environmental conditions

Ambient temperature -25...70 °C 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 IP67

Functional safety

MTTF (40 °C) 1446 a

Interface

Switching output PNP normally open (NO)

Material

Housing material 1.4404 stainless steel, PTFE

coated

Material sensing surface 1.4404 stainless steel

Mechanical data

Dimension Ø 8 x 50 mm Installation for flush mounting Mounting length 38.5 mm Pressure rating max. 50 bar M8x1 Tightening torque 5 Nm

Inductive Sensors

BES M08EG-PSC20B-S49G-S01 Order Code: BES05Y6



Range/Distance

Assured operating distance Sa1.6 mmHysteresis H max. (% of Sr)20 %Rated operating distance Sn2 mm

Real switching distance sr 2 mm

Repeat accuracy max. (% of Sr) 10 %

Switching distance marking

Temperature drift max. (% of Sr) 10 %

Tolerance Sr ±10 %

Remarks

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

When installing in non-ferromagnetic metals, the distance x must be considered. This dimension x is described in the document "BES 2SN STEELFACE". Since the nuts supplied are made of non-ferromagnetic metal, the specified dimension x also applies here. Mounting, where the nuts are close to the active surface, is not intended

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

