



## Inductive Sensors BES 113-3019-SA 1-S 4 M12x1 x 91.5 normally-closed Sn=3,7mm unshielded function monitoring

## **Common Data**

Product name Mounting in steel Rated operating distance Sn Assured operating distance Sa Repeatability R Hysteresis Ambient temperature range Polution Degree Time delay before availability Particular characteristics

## **Mechanical Data**

MeasurementsBxHxT orDxTM12x1 x 91.5mmHousing materialNickel plated brasMaterial of sensing facePA 12Degree of protectionIP67IPConnectionConnector S4 (M1Schock: Halfsinus, 30 gn, 11msVibration: 55 Hz, 1mm Amplitude, 3 x 30 Minutes

## **Electrical Data**

Current type Wiring switching function Output signal Rated opertional voltage Rated opertional current Supply voltage ≤ 15% Ripple max. switching frequency 300Hz Minimum opertional current 1mA No-load supply current ≤ 25/≤ 25mA Off-state current ≤ 80µA Voltage drop typ. 2.5V Short circuit protection yes Protected against polarity reversal yes

Nickel plated brass PA 12 IP67IP Connector S4 (M12) nutes DC 3-Wire normally-closed PNP 24 DCV 130mA 20...30 DCV

Safety Switches unshielded

3,7mm

≤ 5%

3

≤ 15%

≤ 50ms

0...2.9mm

-25...+70°C

function monitoring

CE

Utilization categories Insulation class DC 12

Datasheet number:

Definitions see general catalog. If not otherwise noted, ratings according to IEC 60947-5-2 (DIN EN60947-5-2)

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