



## Inductive Sensors BES 113-356-SA 6-S 4 M12x1 x 91.5 normally-open 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 or DxTM12x1Housing materialNickel pMaterial of sensing facePA 12Degree of protectionIP67IPConnectionConnectSchock: Halfsinus, 30 gn, 11msVibration: 55 Hz, 1mm Amplitude, 3 x 30 Minutes

## **Electrical Data**

Current type	DC
Wiring	3-Wire
switching function	normally-open
Output signal	PNP
Rated opertional voltage	24 DCV
Rated opertional current	130mA
Supply voltage	2030 DCV
Ripple	≤ 15%
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

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)

Balluff GmbH Schurwaldstrasse 9 73765 Neuhausen a.d.F. Phone (07158) 173-0 Fax (07158) 5010

Datenblatt by CD-ROM - 04/2007



Safety Switches unshielded 3,7mm 0...2.9mm ≤ 5% ≤ 15% -25...+70°C 3 ≤ 50ms function monitoring

M12x1 x 91.5mm Nickel plated brass PA 12 IP67IP Connector S4 (M12)