

Inductive Sensors
BES 516-343-S49-C
M8x1 x 55
normally-open
Sn=1,5mm
shielded

Common Data

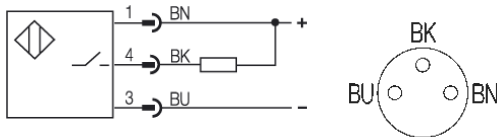
Mounting in steel	shielded
Rated operating distance Sn	1,5mm
Assured operating distance Sa	0...1.2mm
Repeatability R	≤ 5%
Hysteresis	≤ 15%
Function indication	yes
Ambient temperature range	-25...+70°C
Pollution Degree	3
Time delay before availability	≤ 20ms

Mechanical Data

Measurements BxHxT or DxT	M8x1 x 55mm
Housing material	stainless steel
Material of sensing face	PA 12
Degree of protection	IP68 acc. BWN Pr 20IP
Connection	Connector S49 (M8 3-pin)
Schock: Halbsinus, 30 gn, 11ms	
Vibration: 55 Hz, 1mm Amplitude, 3 x 30 Minutes	

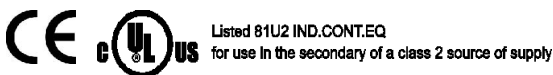
Electrical Data

Current type	DC
Wiring	3-Wire
switching function	normally-open
Output signal	NPN
Rated operational voltage	24 DCV
Rated operational current	200mA
Supply voltage	10...30 DCV
Ripple	≤ 15%
max. switching frequency	3000Hz
Minimum operational current	0mA
No-load supply current	≤ 11/≤ 3mA
Off-state current	≤ 20µA
Voltage drop	≤ 2.5/-V
Short circuit protection	yes
Protected against polarity reversal	yes



Remarks

When overload is removed, sensor resumed function.



Utilization categories DC 13
 Insulation class II

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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Datenblatt by CD-ROM - 04/2007

