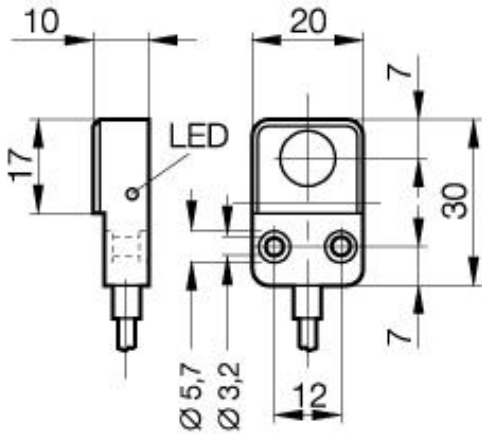


**Inductive Sensors**  
**BES 516-300-S 255**  
**20 x 30 x 10**  
**normally-open**  
**Sn=2mm**  
**shielded**



**Common Data**

Mounting in steel	shielded
Rated operating distance Sn	2mm
Assured operating distance Sa	0...1.6mm
Repeatability R	≤ 10%
Hysteresis	≤ 15%
Function indication	yes
Ambient temperature range	-25...+70°C
Pollution Degree	3
Time delay before availability	≤ 10ms

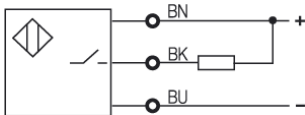
**Mechanical Data**

Measurements BxHxT or DxT	20 x 30 x 10mm
Housing material	Gd Al Si 12
Material of sensing face	PBTP
Degree of protection	IP65IP
Connection	Cable
Cable type	LiYY-O
Schock: Halfsinus, 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	50mA
Supply voltage	10...30 DCV
Ripple	≤ 15%
max. switching frequency	1500Hz
No-load supply current	≤ 25/≤ 15mA
Off-state current	≤ 80µA
Voltage drop	≤ 0.5/-V
Short circuit protection	no
Protected against polarity reversal	yes

PX0239



Utilization categories  
 Insulation class

DC 13

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

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