

**Inductive Sensors**  
**BHS B249V-PSD15-S04**  
**M12x1 x 56**  
**normally-open**  
**Sn=1,5mm**  
**shielded**  
**pressure rated to 500 bar**

**Common Data**

Mounting in steel	shielded
Rated operating distance Sn	1,5mm
Assured operating distance Sa	0...1.2mm
Repeatability R	≤ 5%
Hysteresis	≤ 15%
Ambient temperature range	-25...+120°C
Particular characteristics	pressure rated to 500 bar

**Mechanical Data**

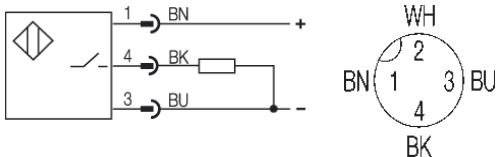
Measurements BxHxT or DxT	M12x1 x 56mm
Housing material	stainless steel
Material of sensing face	Ceramic
Degree of protection	IP68 acc. BWN Pr 20IP
Connection	Connector S4 (M12)
Schock: Halbsinus, 30 gn, 11ms	
Vibration: 55 Hz, 1mm Amplitude, 3 x 30 Minutes	

**Electrical Data**

Current type	DC
Wiring	3-Wire
switching function	normally-open
Output signal	PNP
Rated operational voltage	24 DCV
Rated operational current	200mA
Supply voltage	10...30 DCV
Ripple	≤ 15%
max. switching frequency	400Hz
No-load supply current	≤ 8mA
Off-state current	≤ 10µA
Voltage drop	≤ 2.5V
Short circuit protection	yes
Protected against polarity reversal	yes

**Remarks**

Ie at 120°C = 100mA



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)

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