

Inductive Sensors
BHS B249V-PSD25-S04-003
M12x1 x 56
normally-open
Sn=2,5mm
shielded
pressure rated to 500 bar

Common Data

Mounting in steel	shielded
Rated operating distance Sn	2,5mm
Assured operating distance Sa	0...2mm
Repeatability R	≤ 5%
Hysteresis	≤ 15%
Ambient temperature range	-25...+90°C
Particular characteristics	pressure rated to 500 bar

Mechanical Data

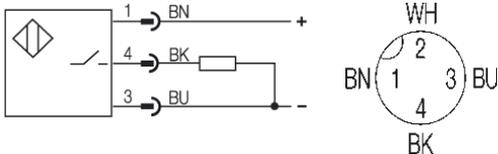
Measurements BxHxT or DxT	M12x1 x 56mm
Housing material	stainless steel
Material of sensing face	Ceramic
Degree of protection	IP68 acc. BWN Pr 20IP
Connection	Connector S4 (M12)
Schock: Halbsinus, 30 gn, 11ms	
Vibration: 55 Hz, 1mm Amplitude, 3 x 30 Minutes	

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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