



1) Sensing surface



## Basic features

Approval/Conformity	CE UKCA cULus WEEE
Basic standard	IEC 60947-5-2

## Display/Operation

Function indicator	no
Power indicator	no

## Electrical connection

Connection	M5x0.5-Male
Polarity reversal protected	yes
Protection against device mix-ups	no
Short-circuit protection	yes

## Electrical data

Load capacitance max. at $U_e$	0.4 $\mu$ F
Min. operating current $I_m$	10 mA
No-load current $I_o$ max., damped	10 mA
No-load current $I_o$ max., undamped	7 mA
Operating voltage $U_b$	10...30 VDC
Output resistance $R_a$	Open collector
Rated insulation voltage $U_i$	75 V DC
Rated operating current $I_e$	100 mA
Rated operating voltage $U_e$ DC	24 V
Rated short circuit current	100 A
Ready delay $t_v$ max.	25 ms
Residual current $I_r$ max.	100 $\mu$ A
Ripple max. (% of $U_e$ )	10 %
Switching frequency	3000 Hz
Utilization category	DC -13
Voltage drop static max.	2.5 V

## Environmental conditions

Ambient temperature	-25...80 °C
Contamination scale	3
EN 60068-2-27, Shock	Half-sinus, 30 $g_n$ , 11 ms
EN 60068-2-6, Vibration	55 Hz, amplitude 1 mm, 3x30 min
IP rating	IP68

## Interface

Switching output	PNP normally open (NO)
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Inductive Sensors  
**BHS G403N-PSD10-S26**  
Order Code: BHS006N



**Material**

Gasket, material	NBR 70
Housing material	Stainless steel
Material sensing surface	Ceramic
Support ring material	PTFE

**Range/Distance**

Assured operating distance Sa	0.8 mm
Hysteresis H max. (% of Sr)	15.0 %
Rated operating distance Sn	1 mm
Real switching distance sr	1 mm
Repeat accuracy max. (% of Sr)	10.0 %
Temperature drift max. (% of Sr)	10 %
Tolerance Sr	±10 %

**Mechanical data**

Dimension	Ø 5 x 40.5 mm
Installation	for flush mounting
Mounting part	M5x0.5
Pressure rating max.	500 bar
Pressure rating, note	oil pressure rated
Sealing ring, size	2.35 x 1 mm
Size	M5x0.5
Tightening torque	1 Nm ±10 %

**Remarks**

Installation Instructions 861458  
The sensor is functional again after the overload has been eliminated.

**Connector Drawings**



**Wiring Diagrams**

