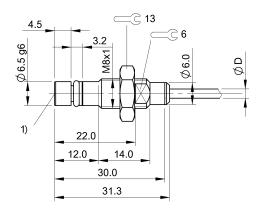
BHS A407N-PSD15-BP02

Order Code: BHS0058





1) Sensing surface









- Basic realures	Basic	features
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Short-circuit protection

Approval/Conformity	CE UKCA cULus WEEE
Basic standard	IEC 60947-5-2
Display/Operation	
Function indicator	no
Power indicator	no
Electrical connection	
Electrical connection Cable diameter D	2.50 mm
	2.50 mm 2 m
Cable diameter D	
Cable diameter D Cable length L	2 m
Cable diameter D Cable length L Conductor cross-section	2 m 0.10 mm ²
Cable diameter D Cable length L Conductor cross-section Connection type	2 m 0.10 mm ² Cable, 2.00 m, PUR

Electrical data

Subject to change without notice: 278377

Load capacitance max. at Ue	0.5 μF
Min. operating current Im	10 mA
No-load current lo max., damped	10 mA
No-load current lo max., undamped	7 mA
Operating voltage Ub	1030 VDC
Output resistance Ra	Open collector
Rated insulation voltage Ui	75 V DC
Rated operating current le	100 mA
Rated operating voltage Ue DC	24 V
Rated short circuit current	100 A
Ready delay tv max.	20 ms
Residual current Ir max.	10 μΑ
Ripple max. (% of Ue)	10 %
Switching frequency	4000 Hz
Utilization category	DC -13
Voltage drop static max.	2.5 V

Environmental conditio	ns
Ambient temperature	-2580 °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
Functional safety	
MTTF (40 °C)	735 a

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Interface

Switching output

PNP normally open (NO)

Material

Gasket, material

Housing material

Material jacket

Material sensing surface

Support ring material

PTFE

Mechanical data

Dimension Ø 6.5 x 31.3 mm Installation for flush mounting 14.00 mm Mounting length Mounting part M8x1 Pressure rating max. 500 bar Pressure rating, note oil pressure rated Sealing ring, size $4 \times 1.5 \, \text{mm}$ Size M8x1 Tightening torque 7 Nm ±10 %

Range/Distance

Assured operating distance Sa 1.2 mm
Hysteresis H max. (% of Sr) 15.0 %
Rated operating distance Sn 1.5 mm
Real switching distance sr 1.5 mm
Repeat accuracy max. (% of Sr) 5.0 %
Temperature drift max. (% of Sr) 10 %
Tolerance Sr ±10 %

Remarks

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

For more information about MTTF and B10d see MTTF / B10d Certificate

Indication of the MTTF- / B10d value does not represent a binding composition and/or life expectancy assurance; these are simply experiential values with no warranty implications. These declared values also do not extend the expiration period for defect claims or affect it in any way.

Wiring Diagrams (Schematic)

