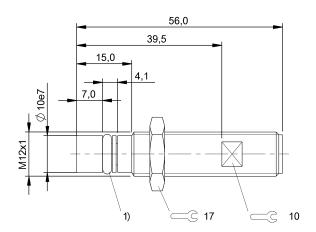
# BHS B265V-PSD25-S04-003

Order Code: BHS0062





#### 1) O-Ring with thrust ring



CE
cULus
EAC
WEEE
IEC 60947-5-2
no
no
M12x1-Male, 4-pin, A-coded
yes
yes
yes

## **Electrical data**

Load capacitance max. at Ue	0.5 μF
Min. operating current Im	0 mA
No-load current lo max., damped	8 mA
No-load current lo max., undamped	8 mA
Operating voltage Ub	1030 VDC
Output resistance Ra	33.0 kOhm + 2D
Rated insulation voltage Ui	75 V DC
Rated operating current le	200 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)	15 %
Switching frequency	400 Hz
Utilization category	DC -13
Voltage drop static max.	2.5 V

#### **Environmental conditions**

Subject to change without notice: PV170068

-2590 °C
3
Half-sinus, 30 $g_n$ , 11 ms
55 Hz, amplitude 1 mm, 3x30 mir
IP68
500 a

#### **Inductive Sensors**

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#### **Interface**

Switching output PNP normally open (NO)

#### Material

Housing material Stainless steel (1.4104)

Material sensing surface Ceramic
Support ring material PTFE

#### Mechanical data

DimensionØ 12 x 56 mmInstallationfor flush mounting

Mounting partM12x1Pressure rating max.500 barPressure rating, noteoil pressure ratedSealing ring, size $6.75 \times 1.78 \text{ mm}$ SizeM12x1

Tightening torque 15 Nm ±10 %

## Range/Distance

Assured operating distance Sa 2 mm

Hysteresis H max. (% of Sr) 15.0 %

Rated operating distance Sn 2.5 mm

Real switching distance sr 2.5 mm

Repeat accuracy max. (% of Sr) 5.0 %

Temperature drift max. (% of Sr) 15 %

Tolerance Sr ±10 %

#### Remarks

Installation Instructions 614804

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

le [mA] = 200 - 2.2x(Ta-75) at Ta [ $^{\circ}$ C] +75...+90

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.

## **Connector Drawings**



### **Wiring Diagrams**

