



1) Active surface

- PNP
- NO/NC
- 5.00 mm
- Flush (shielded)

- Cable with connector, PUR, 0.20 m
- M12x1-S04



**General attributes**

Approvals / Conformity  
Basic standard  
Enclosure Type per IEC 60529  
Function indicator  
Polarity reversal protected  
Power indicator  
Short circuit protected

CE  
IEC 60947-5-2  
IP67  
Yes  
Yes  
No  
Yes

**Electrical attributes**

Connection type  
Eff. operating current I<sub>e</sub>  
Eff. operating voltage U<sub>e</sub> DC  
Electrical version  
Load capacitance max. (at U<sub>e</sub>)  
Max. no-load cur. I<sub>o</sub> undamped  
Minimum operating current I<sub>m</sub>  
No-load current I<sub>o</sub> damped max.  
Operating voltage U<sub>B</sub> max. DC [V]  
Operating voltage U<sub>B</sub> min. DC [V]  
Rated insulation voltage U<sub>i</sub>  
Rated short circuit current  
Ripple max. (% of U<sub>e</sub>)  
Switching freq. f max. (at U<sub>e</sub>)

Cable with connector  
200 mA  
24.0 V  
DC, direct current  
1.000 µF  
15.0 mA  
0 mA  
32.0 mA  
30.0 V  
10.0 V  
75 VDC  
100 A  
15 %  
500 Hz

Switching function  
Switching output  
Voltage drop static max.

NO/NC  
PNP  
2.5 V

**Mechanical attributes**

Ambient temperature T<sub>a</sub> max.  
Ambient temperature T<sub>a</sub> min.  
Assured operating distance S<sub>a</sub>  
Cable diameter D max.  
Cable jacket material  
Cable length  
Connector type  
Depth  
Eff. operating distance S<sub>r</sub>  
Height (small side)  
Housing material  
Mech. installation condition  
Rated operating distance S<sub>n</sub> [mm]  
Sensing face material  
Width (long side)

70 °C  
-25 °C  
4.00 mm  
5.1 mm  
PUR  
0.20 m  
M12x1-S04  
10.0 mm  
5.00 mm  
25.0 mm  
GD-ALSi12  
Flush (shielded)  
5.00 mm  
PBT  
50.0 mm

**Additional text**

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

Inductive sensor

**BES 516-133-MO-C-S4-00,2**  
**BES0153**

**BALLUFF**  
*sensors worldwide*

