



1) Active surface

- PNP
- Normally open (NO)
- 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  $I_e$   
Eff. operating voltage  $U_e$  DC  
Electrical version  
Load capacitance max. (at  $U_e$ )  
Max. no-load cur.  $I_o$  undamped  
Minimum operating current  $I_m$   
No-load current  $I_o$  damped max.  
Operating voltage  $U_B$  max. DC [V]  
Operating voltage  $U_B$  min. DC [V]  
Rated insulation voltage  $U_i$   
Rated short circuit current  
Ripple max. (% of  $U_e$ )  
Switching freq.  $f$  max. (at  $U_e$ )

Cable with connector  
200 mA  
24.0 V  
DC, direct current  
1.000  $\mu$ F  
12.0 mA  
0 mA  
25.0 mA  
30.0 V  
10.0 V  
75 VDC  
100 A  
15 %  
500 Hz

Switching function  
Switching output  
Voltage drop static max.

Normally open (NO)  
PNP  
2.5 V

**Mechanical attributes**

Ambient temperature  $T_a$  max.  
Ambient temperature  $T_a$  min.  
Assured operating distance  $S_a$   
Cable diameter  $D$  max.  
Cable jacket material  
Cable length  
Connector type  
Depth  
Eff. operating distance  $S_r$   
Height (small side)  
Housing material  
Mech. installation condition  
Rated operating distance  $S_n$  [mm]  
Sensing face material  
Width (long side)

70 °C  
-25 °C  
4.00 mm  
4.7 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 516-347-MO-C-S4-00,2**  
**BES01FN**

