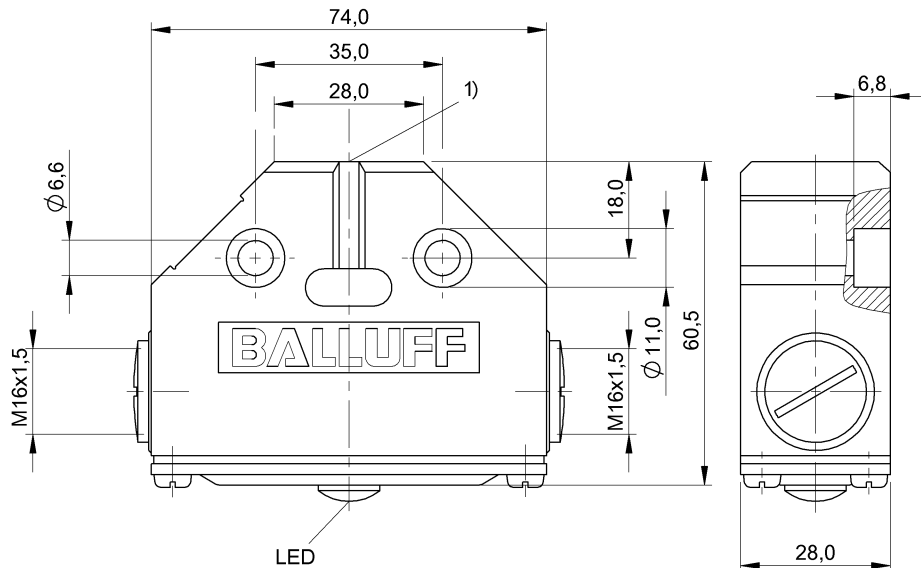


BES 516-412-H3-L
Ordering code: BES02AN

Inductive sensor
28x74x60,5 mm

AC, alternating current
Normally open (NO)
Sn = 7 mm
Flush (shielded)

BALLUFF
sensors worldwide



Characteristic data

Eff. switching distance Sr	7,00 mm
Tolerance Sr	±10 %
Assured operating distance Sa	5,60 mm
Hysteresis H max. (in % of Sr)	15 %
Repeat accur. R max. (% of Sr)	5 %
Ambient temperature	-25...70 °C
Temp. drift max. (% of Sr)	10%
Switching freq. f max.	10 Hz
Ready delay tv max.	100 ms
Utilisation category	AC 140
Function indicator	Yes
Short-circuit protected	No
Degree of protection as per IEC 60529	IP67
Protection class	I
Protected against polarity reversal	Yes

Electrical data

Operating voltage	
Effective operating voltage Ue AC	
Voltage drop static max.	8,5 V
Rated insulation voltage Ui	250 AC V
Effective operating current Ie	250 mA
Off-state current Ir max.	1500 µA

Minimum operating current Im	5 mA
Short-time load cap./duration Ik/T	3.0 A/20 ms
Short-time cur. load cap. Freq	0,5 Hz
Rated frequency, AC	50/60 Hz
Rated short circuit current	100 A
Recommended K-type SCP	Miniature fuse according IEC60127-2 Sheet 1, ≤ 2 A (quick/acting).

Mechanical data

Housing material	Aluminum
Sensing surface material	PA 12
Wire cross-section max.	2.5 mm²
Tightening torque for clamping	0,8 Nm
Connection type	Screw terminal
Shock rating	Shock, half-sinus, 30 gn, 11ms
Vibration rating	55 Hz, 1 mm ampl., 3x30 min
Degree of contamination	3
Cable gland thread size.	M16x1.5

Basic data

Basic standard	IEC 60947-5-2
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Remarks

Recommendation: After a short circuit check the device for proper function.



Definitions see main catalog

subject to change

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