

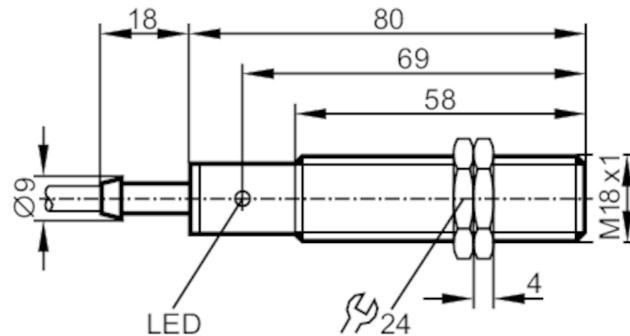
IG0223

Inductive sensor

IGA2005-BBOA/ 6mPPU



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Electrical data

Operating voltage [V]	20...250 AC/DC
Reverse polarity protection	no

Outputs

Output function	normally closed
Max. voltage drop switching output DC [V]	6
Max. voltage drop switching output AC [V]	6.7
Minimum load current [mA]	4
Max. leakage current [mA]	2.5 (250 V AC) / 1.3 (110 V AC) / 0.8 (24 V DC)
Permanent current rating of switching output AC [mA]	250; (350 (...50 °C))
Permanent current rating of switching output DC [mA]	100
Short-time current rating of switching output [mA]	2200; (20 ms / 0,5 Hz)
Switching frequency AC [Hz]	25
Switching frequency DC [Hz]	50
Short-circuit protection	no
Overload protection	no

Detection zone

Sensing range [mm]	5
Real sensing range Sr [mm]	5 ± 10 %
Operating distance [mm]	0...4.05

Accuracy / deviations

Hysteresis [% of Sr]	1...15
Switch point drift [% of Sr]	-10...10

Operating conditions

Ambient temperature [°C]	-25...80
Protection	IP 67

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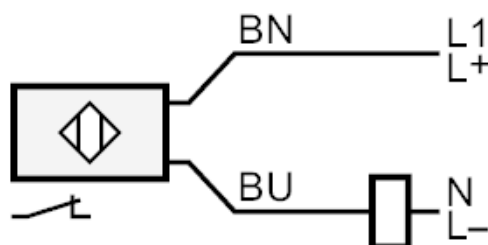
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Tests / approvals		
EMC	EN 60947-5-2	
	EN 55011	class B
Mechanical data		
Housing		threaded type
Mounting		flush mountable
Dimensions [mm]		M18 x 1 / L = 80
Thread designation		M18 x 1
Materials		brass nickel-plated; ULTRASON
Displays / operating elements		
Display	switching status	1 x LED, red
Accessories		
Accessories (supplied)		lock nuts: 2
Remarks		
Pack quantity		1 pcs.

Electrical connection

Cable: 6 m, PUR / PVC; highly flexible; 2 x 0.5 mm²

Connection



Core colours :

BN = brown
BU = blue

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