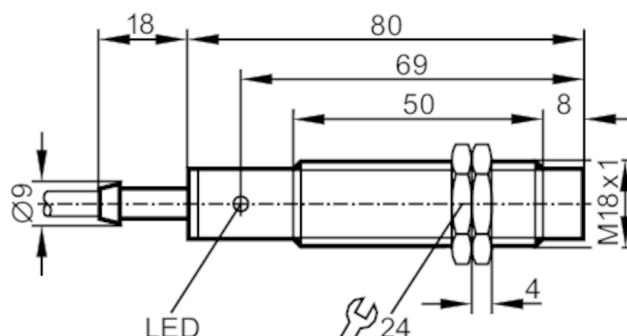


Inductive sensor

IGA2008-ABOA/SL

Article no longer available - archive entry



Product characteristics

Output function		normally closed
Sensing range [mm]		8
Housing		threaded type
Dimensions [mm]		M18 x 1 / L = 80

Electrical data

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

Outputs

Output function		normally closed
Max. voltage drop switching output DC [V]		6
Max. voltage drop switching output AC [V]		6.5
Minimum load current [mA]		5
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

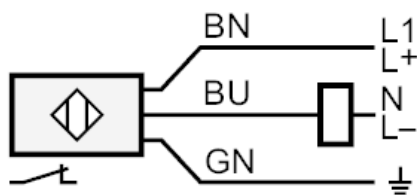
Sensing range [mm]		8
Real sensing range Sr [mm]		8 ± 10 %
Operating distance [mm]		0...6.5



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Accuracy / deviations		
Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminium: 0.5 / copper: 0.4
Hysteresis	[X01]	1...15
Switch point drift	[X01]	-10...10
Operating conditions		
Ambient temperature	[°C]	-25...80
Protection		IP 67
Tests / approvals		
EMC	EN 60947-5-2	
	EN 55011	class B
Mechanical data		
Housing		threaded type
Mounting		non-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, yellow
Аксессуары		
Items supplied		lock nuts: 2
Remarks		
Pack quantity		1 pcs.
Electrical connection		
Cable: 2 m, PVC; 2 x 0.5 mm²		
Connection		



Core colours :

BN = brown

BU = blue

GN = green