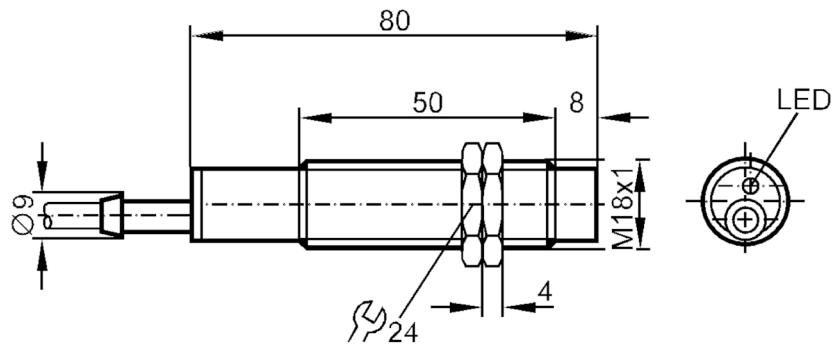




## Inductive sensor

IGA2008-ABOW/10m

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### Electrical data

Frequency AC	[Hz]	47...63
Operating voltage	[V]	20...250 AC
Protection class		II
Reverse polarity protection		no

### Outputs

Output function		normally open
Max. voltage drop switching output AC	[V]	5.5
Minimum load current	[mA]	5
Max. leakage current	[mA]	2.5
Permanent current rating of switching output AC	[mA]	300; (500 (...50 °C))
Short-time current rating of switching output	[mA]	2200; (20 ms / 0,5 Hz)
Switching frequency AC	[Hz]	20
Short-circuit protection		no
Overload protection		no

### Detection zone

Sensing range	[mm]	8
Real sensing range $S_r$	[mm]	$8 \pm 10 \%$
Operating distance	[mm]	0...6.5

### Accuracy / deviations

Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminium: 0.4 / copper: 0.3
Hysteresis	[% of $S_r$ ]	1...15
Switch point drift	[% of $S_r$ ]	-10...10

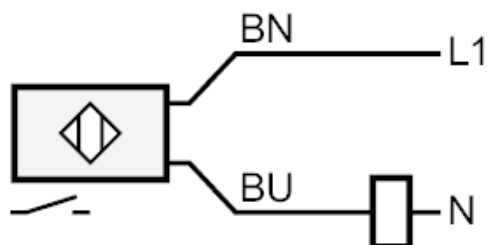
# IG0046



## Inductive sensor

IGA2008-ABOW/10m

Operating conditions		
Ambient temperature	[°C]	-25...80
Protection		IP 67
Mechanical data		
Housing		threaded type
Mounting		non-flush mountable
Dimensions	[mm]	M18 x 1
Thread designation		M18 x 1
Materials		brass nickel-plated; PBT
Displays / operating elements		
Display	switching status	1 x LED, yellow
Accessories		
Accessories (supplied)		lock nuts: 2
Remarks		
Pack quantity		1 pcs.
Electrical connection		
Cable: 10 m, PVC; 2 x 0.5 mm <sup>2</sup>		
Connection		



Core colours :  
BN = brown  
BU = blue

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