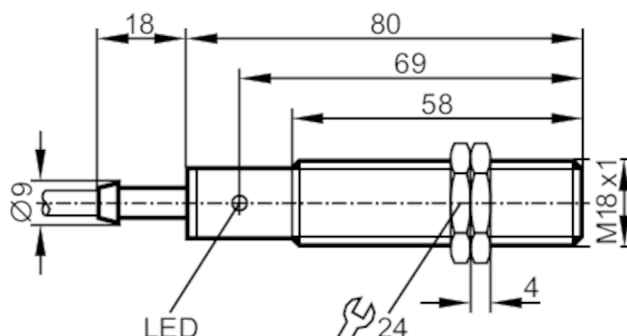




## Inductive sensor

IGA2005-BBOA/10m

Article no longer available - archive entry



### Product characteristics

Output function		normally closed
Sensing range [mm]		5
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 proof		no
Overload protection		no

### Monitoring range

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

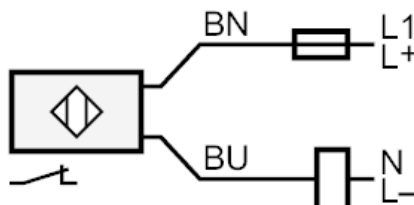
# IG0104



## Inductive sensor

IGA2005-BBOA/10m

Accuracy / deviations		
Hysteresis	[% of Sr]	1...15
Switch-point drift	[% of Sr]	-10...10
Operating conditions		
Ambient temperature	[°C]	-25...80
Protection		IP 67
Tests / approvals		
EMC	EN 60947-5-2	
	EN 55011	class B
MTTF	[years]	609
Mechanical data		
Housing		Threaded type
Mounting		flush mountable
Dimensions	[mm]	M18 x 1 / L = 80
Thread designation		M18 x 1
Material		housing: brass white bronze coated; sensing face: PBT
Displays / operating elements		
Display	Switching status	1 x LED, yellow
Electrical connection		
Required protection		miniature fuse to IEC60127-2 sheet 1; ≤ 2 A; fast acting
Accessories		
Items supplied		lock nuts: 2
Remarks		
Remarks		Recommendation: check the unit for reliable function after a short circuit.
Pack quantity		1 pcs.
Electrical connection		
Cable: 10 m, PVC; 2 x 0.5 mm <sup>2</sup>		
Connection		



Note miniature fuse to IEC60127-2 sheet 1 ≤ 2 A fast acting

Core colors :

BN = brown  
BU = blue