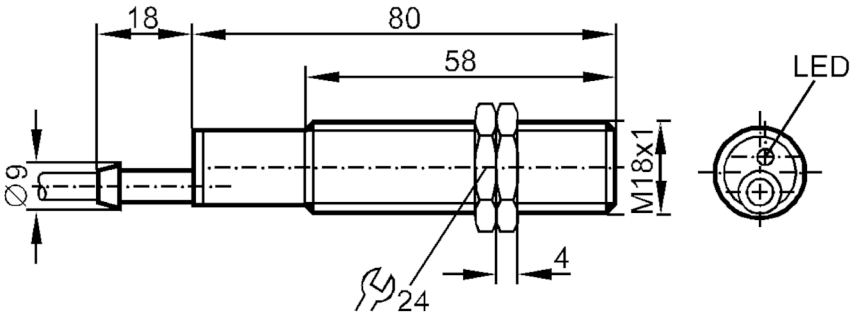
IG0042

Inductive sensor

IGA2005-BBOW/ 6m

Article no longer available - archive entry



Product characteristics		
Output function		normally closed
Sensing range	[mm]	5
Housing		Threaded type
Dimensions	[mm]	M18 x 1
Electrical data		
Frequency AC	[Hz]	47...63
Operating voltage	[V]	20...250 AC
Protection class		II
Reverse polarity protection		no
Outputs		
Output function		normally closed
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
Monitoring range		
Sensing range	[mm]	5

IG0042

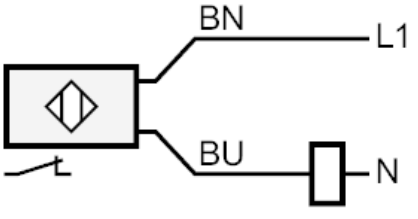
Inductive sensor

IGA2005-BBOW/ 6m

Real sensing range Sr	[mm]	5 ± 10 %
Operating distance	[mm]	0...4.05
Accuracy / deviations		
Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminum: 0.4 / copper: 0.3
Hysteresis	[% of Sr]	1...15
Switch-point drift	[% of Sr]	-10...10
Operating conditions		
Ambient temperature	[°C]	-25...80
Protection		IP 67
Mechanical data		
Housing		Threaded type
Mounting		flush mountable
Dimensions	[mm]	M18 x 1
Thread designation		M18 x 1
Material		brass nickel-plated; PBT
Displays / operating elements		
Display	Switching status	1 x LED, yellow
Accessories		
Items supplied		lock nuts: 2
Remarks		
Pack quantity		1 pcs.
Electrical connection		

Cable: 6 m, PVC; 2 x 0.5 mm²

Connection



	Core colors :
BN =	brown
BU =	blue