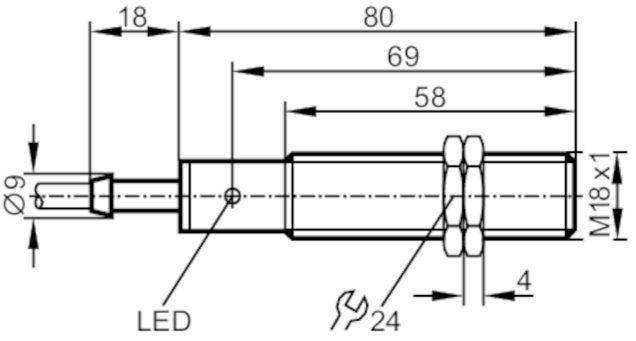
IG0083

Inductive sensor

IGA2005-ABOA/V4A/ 6m

Article no longer available - archive entry



Product characteristics		
Output function		normally open
Sensing range	[mm]	5
Housing		threaded type
Dimensions	[mm]	M18 x 1 / L = 80
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 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]	100
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

IG0083

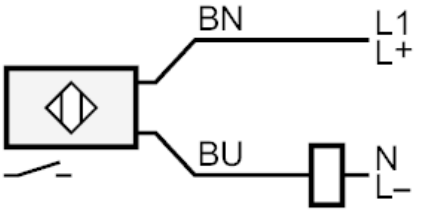
Inductive sensor

IGA2005-ABOA/V4A/ 6m

Accuracy / deviations			
Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminium: 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 / L = 80	
Thread designation		M18 x 1	
Materials		stainless steel (1.4571/316Ti); 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 colours :
BN =	brown
BU =	blue