IN0102

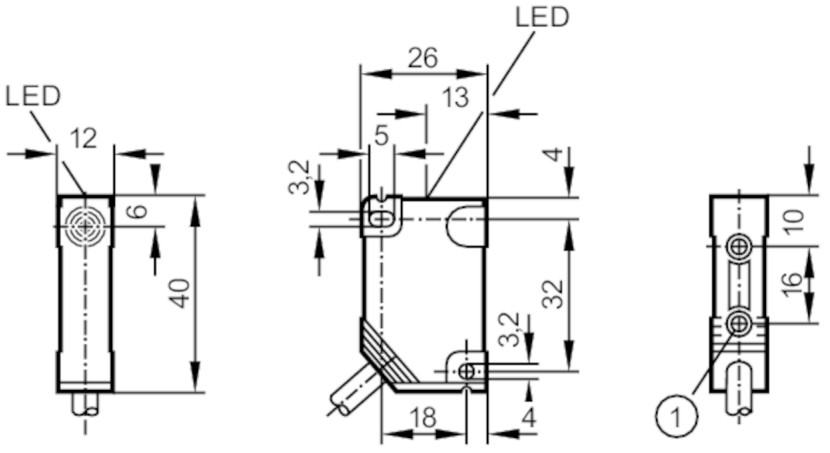
Inductive sensor

IN-2002-ABOA/F

Article no longer available - archive entry

Alternative articles: IN0073

When selecting an alternative article and accessories please note that technical data may differ!



1 threaded bush M3 Depth 5.8 mm
Tightening torque maximum 1.2 Nm screw fixing class 8.8
when brass insert in contact with counterpart

CE

Product characteristics		
Output function		normally open
Sensing range	[mm]	2
Housing		rectangular
Dimensions	[mm]	40 x 12 x 26
Electrical data		
Operating voltage	[V]	20...250 AC/DC
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]	6.7
Minimum load current	[mA]	4
Max. leakage current	[mA]	2.0 (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]	2100; (50 ms / 1 Hz)
Switching frequency AC	[Hz]	25

IN0102

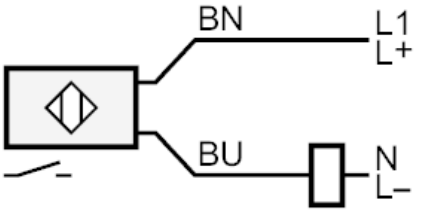
Inductive sensor

IN-2002-ABOA/F

Switching frequency DC	[Hz]	50	
Short-circuit protection		no	
Overload protection		no	
Detection zone			
Sensing range	[mm]	2	
Real sensing range Sr	[mm]	2 ± 10 %	
Operating distance	[mm]	0...1.6	
Accuracy / deviations			
Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminium: 0.3 / copper: 0.2	
Hysteresis	[% of Sr]	1...15	
Switch point drift	[% of Sr]	-10...10	
Operating conditions			
Ambient temperature	[°C]	-20...80	
Protection		IP 67	
Tests / approvals			
EMC		EN 60947-5-2	
		EN 55011	class B
Mechanical data			
Housing		rectangular	
Mounting		flush mountable	
Dimensions	[mm]	40 x 12 x 26	
Materials		PBT	
Displays / operating elements			
Display		switching status	1 x LED, yellow
Remarks			
Pack quantity		1 pcs.	
Electrical connection			

Cable: 2 m, PVC; 2 x 0.5 mm²

Connection



Core colours :
BN = brown
BU = blue