

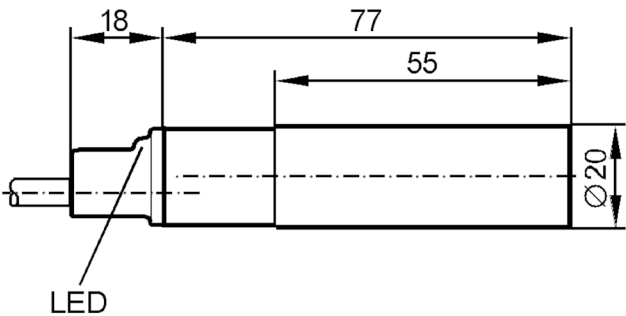
IA4002



Inductive sensor

IA-2010-ABOA

Article no longer available - archive entry



Product characteristics	
Output function	normally open
Sensing range [mm]	10
Housing	tubular
Dimensions [mm]	Ø 20
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]	6.5
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

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Switching frequency DC	[Hz]	70
Short-circuit protection		no
Overload protection		no

Monitoring range		
Sensing range	[mm]	10
Real sensing range Sr	[mm]	10 ± 10 %
Operating distance	[mm]	0...8.1

Accuracy / deviations		
Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminum: 0.3 / copper: 0.2
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	

Mechanical data		
Housing		tubular
Mounting		non-flush mountable
Dimensions	[mm]	Ø 20
Material		PBT

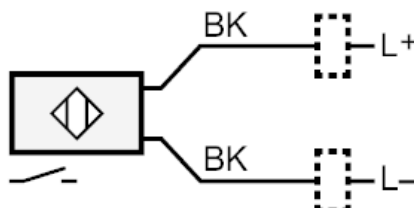
Displays / operating elements		
Display	Switching status	1 x LED, yellow

Accessories		
Items supplied		Mounting clamp: 1

Remarks		
Pack quantity		1 pcs.

Electrical connection		
Cable: 2 m, PVC; 2 x 0.34 mm ²		

Connection		
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BK = Core colors :
black