



Inductive sensor

IG-2008-BBOA/ 6m

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Product characteristics

Output function		normally closed
Sensing range [mm]		8
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]		8
Real sensing range Sr [mm]		8 ± 10 %
Operating distance [mm]		0...6.5

IG0100



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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	
	EN 55011	class B
MTTF [years]	604	

Mechanical data

Housing	Threaded type
Mounting	non-flush mountable
Dimensions [mm]	M18 x 1 / L = 80
Thread designation	M18 x 1
Material	PBT

Displays / operating elements

Display	Switching status	1 x LED, yellow
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Electrical connection

Required protection	miniature fuse to IEC60127-2 sheet 1; ≤ 2 A; fast acting
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Accessories

Items supplied	lock nuts: 2
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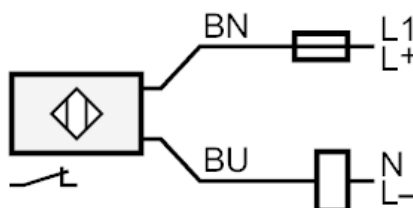
Remarks

Remarks	Recommendation: check the unit for reliable function after a short circuit.
Pack quantity	1 pcs.

Electrical connection

Cable: 6 m, PVC; 2 x 0.5 mm²

Connection



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

Core colors :

BN = brown
BU = blue