

IN0111

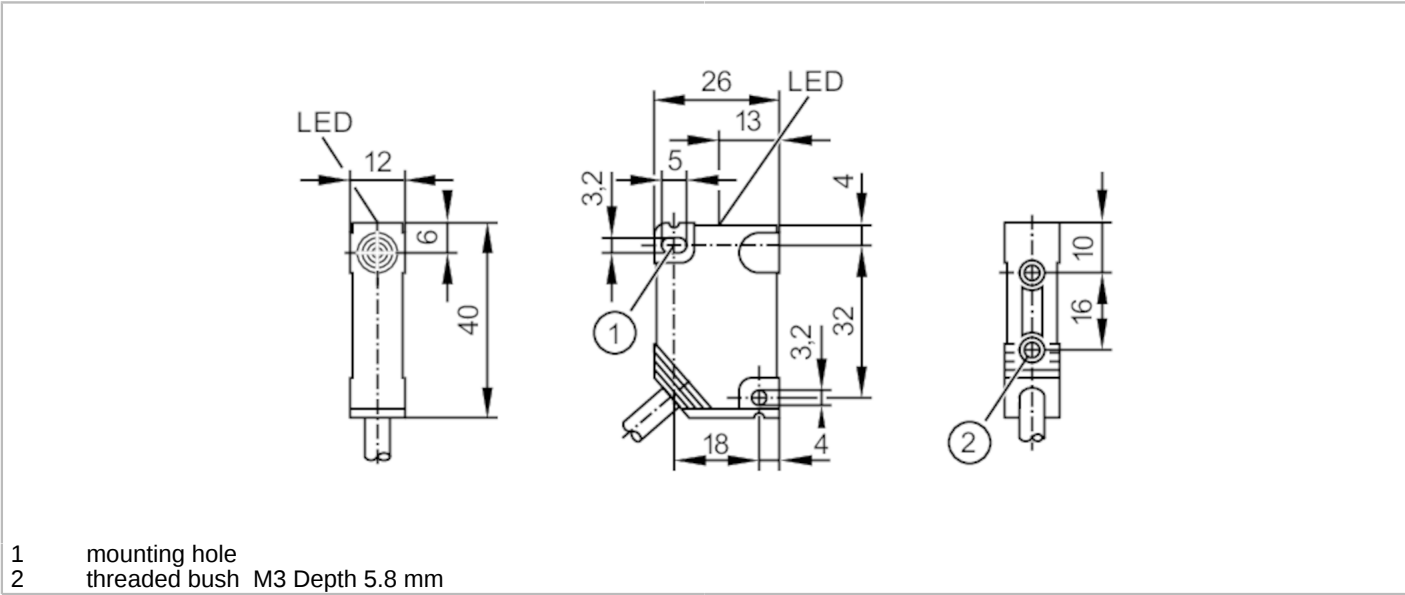


Inductive sensor

IN-2002-ABOA/6M RT

Article no longer available - archive entry

Alternative articles: IN0074
When selecting an alternative article and accessories please note that technical data may differ!



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
Switching frequency DC [Hz]	50



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RT

Short-circuit proof	no
Overload protection	no
Monitoring range	
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 / 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
Mechanical data	
Housing	rectangular
Mounting	flush mountable
Dimensions [mm]	40 x 12 x 26
Material	PBT
Mounting hole	
Tightening torque [Nm]	< 0.5
Threaded bush	
Tightening torque [Nm]	< 1.2; (when brass insert in contact with counterpart)
Displays / operating elements	
Display	Switching status 1 x LED, red
Electrical connection	
Required protection	miniature fuse to IEC60127-2 sheet 1; ≤ 2 A; fast acting
Remarks	
Remarks	Recommendation: check the unit for reliable function after a short circuit.
Pack quantity	1 pcs.

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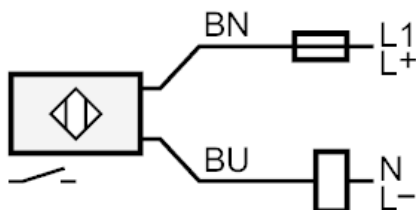
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Electrical connection

Cable: 6 m, PVC; 2 x 0.5 mm²

Connection



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

Core colors :

BN =

brown

BU =

blue