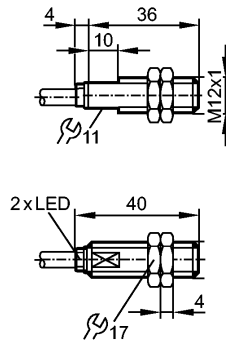


IF5740

IFB2004BAROG/UP/2LED/3M/PH

Inductive sensors



Product characteristics

Inductive sensor
Metal thread M12 x 1
Cable
Increased sensing range
Optical setting aid (2 LED)
Sensing range 4 mm; [f] flush mountable

Electrical data

Electrical design	DC PNP/NPN
Operating voltage [V]	10...36 DC
Protection class	II
Reverse polarity protection	no

Outputs

Output function	normally open
Voltage drop [V]	< 5
Minimum load current [mA]	5
Leakage current [mA]	< 1
Current rating [mA]	100
Short-circuit protection	no
Overload protection	no
Switching frequency [Hz]	110

Monitoring range

Sensing range [mm]	4
Real sensing range (Sr) [mm]	4 ± 10 %
Operating distance [mm]	0...3.25

Accuracy / deviations

Correction factors	mild steel = 1 / stainless steel approx. 0.7 / brass approx. 0.4 / aluminium approx. 0.4 / copper approx. 0.3
Hysteresis [% of Sr]	3...15
Switch-point drift [% of Sr]	-10...10

Environment

Ambient temperature [°C]	-25...70
Protection	IP 67

Tests / approvals

IF5740

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Inductive sensors

EMC	EN 60947-5-2 EN 55011:	class B
MTTF	[Years]	1671

Mechanical data

Mounting	flush mountable
Housing materials	brass white bronze coated; PBT
Weight	[kg] 0.111

Displays / operating elements

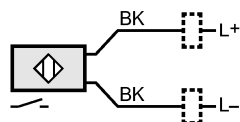
Output status indication	LED	1 x red / 1 x green
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Electrical connection

Connection	PUR cable / 3 m; 2 x 0.34 mm ²
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Wiring

Core colors
BK black



Accessories

Accessories (included)	2 lock nuts
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Remarks

Pack quantity	[piece]	1
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