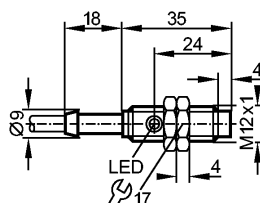


IF5249

IFB3004-BPKG

Inductive sensors



Product characteristics

Inductive sensor

Metal thread M12 x 1

Cable

Sensing range 4 mm; [nf] non-flush mountable

Electrical data

Electrical design		DC PNP
Operating voltage	[V]	10...36 DC
Current consumption	[mA]	15 (24 V)
Protection class		III
Reverse polarity protection		yes

Outputs

Output function		normally open
Voltage drop	[V]	< 2.5
Current rating	[mA]	150
Short-circuit protection		yes (non-latching)
Overload protection		yes
Switching frequency	[Hz]	1500

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. 0.3 / copper approx. 0.2
Hysteresis	[% of Sr]	3...15
Switch-point drift	[% of Sr]	-10...10

Environment

Ambient temperature	[°C]	-25...80
Protection		IP 67

Tests / approvals

EMC		EN 60947-5-2 EN 55011: class B
MTTF	[Years]	2531

Mechanical data

Mounting		non-flush mountable
Housing materials		brass white bronze coated; active face: PC (polycarbonate)
Weight	[kg]	0.1

IF5249

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Inductive sensors

Displays / operating elements

Output status indication	LED	yellow
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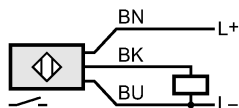
Electrical connection

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

Core colors

- BN brown
- BU blue
- BK black



Accessories

Accessories (included)	2 lock nuts
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Remarks

Pack quantity	[piece]	1
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