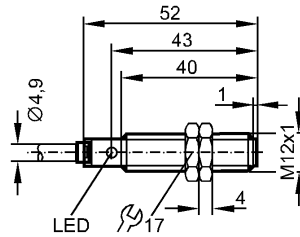


IF5837

IFK3003BBPKG/V4A

Inductive sensors



Made in Germany



Product characteristics

Inductive sensor	
Metal thread M12 x 1	
Cable	
Sensing range 3 mm; [f] 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]	250
Short-circuit protection	pulsed
Overload protection	yes
Switching frequency [Hz]	400

Range

Sensing range [mm]	3
Real sensing range (Sr) [mm]	3 ± 10 %
Operating distance [mm]	0...2.4

Accuracy / deviations

Correction factors	mild steel = 1 / stainless steel approx. 0.7 / brass approx. 0.5 / Al approx. 0.4 / Cu approx. 0.3
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
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IF5837

IFK3003BBPKG/V4A

Inductive sensors

MTTF	[Years]	1874
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Mechanical data

Mounting	flush mountable
Housing materials	stainless steel 316Ti / 1.4571; PBT (Pocan)
Weight	[kg] 0.098

Displays / operating elements

Output status indication	LED	yellow
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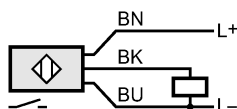
Electrical connection

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

Core colours

- BK black
- BN brown
- BU blue



Accessories

Accessories (included)	2 lock nuts
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Remarks

Pack quantity	[piece]	1
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