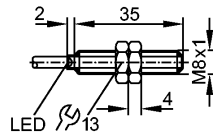


IE5387

IEBC003BASKG/0.23M

Inductive sensors



Product characteristics

Inductive sensor
Metal thread M8 x 1
Cable with crimp contacts
Operation as 3-wire or 2-wire possible
Sensing range 3 mm; [f] flush mountable

Electrical data

Electrical design	3-wire DC PNP; 2-wire DC PNP/NPN
Operating voltage [V]	10...30 DC
Current consumption [mA]	< 10 only in 3-wire operation
Protection class	III
Reverse polarity protection	yes

Outputs

Output function	normally open
Voltage drop [V]	< 2.8
Minimum load current [mA]	2; only in 2-wire operation
Leakage current [mA]	< 0.5; only in 2-wire operation
Current rating [mA]	100
Short-circuit protection	pulsed
Overload protection	yes
Switching frequency [Hz]	1000

Range

Sensing range [mm]	3
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]	1...15

Environment

Ambient temperature [°C]	0...70
Protection	IP 67

Tests / approvals

EMC	EN 60947-5-2
MTTF [Years]	2988

Mechanical data

Mounting	flush mountable
Housing materials	Brass white bronze coated; active face: LCP
Weight [kg]	0.024

Displays / operating elements

Output status indication LED	yellow
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IE5387

IEBC003BASKG/0.23M

Inductive sensors

Electrical connection

Connection

PVC cable / 0.23 m; 3 x 0.14 mm²; cores with Harting crimp contacts

Wiring

Core colours

BK black
BN brown
BU blue



Accessories

Accessories (included)

2 lock nuts

Remarks

Pack quantity

[piece]

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