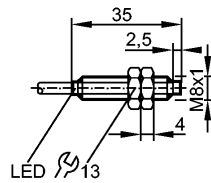


# IE5378

IEB3003-BPKG/V4A/3.5M/US RT

Inductive sensors



## Product characteristics

Inductive sensor

Metal thread M8 x 1

Cable with connector

Sensing range 3 mm; [nf] non-flush mountable

## Electrical data

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

## Outputs

Output function	normally open
Voltage drop [V]	< 2.5
Current rating [mA]	200
Short-circuit protection	pulsed
Overload protection	yes
Switching frequency [Hz]	300

## 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]	1...15
Switch-point drift [% of Sr]	-10...10

## Environment

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

## Tests / approvals

EMC	EN 60947-5-2 EN 55011: class B
MTTF [Years]	2819

## Mechanical data

Mounting	non-flush mountable
Housing materials	high-grade stainless steel; active face: PBT
Weight [kg]	0.107

## Displays / operating elements

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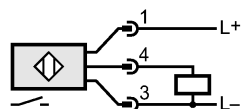
**Inductive sensors**

Output status indication	LED	Red
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### Electrical connection

Connection	PVC cable / 3.5 m; 3 x 0.14 mm <sup>2</sup> ; with M12 connector
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### Wiring



### Accessories

Accessories (included)	2 lock nuts
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### Remarks

Pack quantity	[piece]	1
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