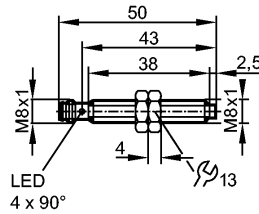


**IE5282**

IEB3002-BPKG/V2A/AS-514-TPS RT

Inductive sensors



**Product characteristics**

Inductive sensor
Metal thread M8 x 1
Quick disconnect
Sensing range 2 mm; [nf] non-flush mountable

**Electrical data**

Electrical design	DC PNP
Operating voltage [V]	10...36 DC; to PELV
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	yes (non-latching)
Overload protection	yes
Switching frequency [Hz]	2000

**Monitoring range**

Sensing range [mm]	2
Real sensing range (Sr) [mm]	2 ± 10 %
Operating distance [mm]	0...1.6

**Accuracy / deviations**

Correction factors	mild steel = 1 / stainless steel approx. 0.7 / brass approx. 0.5 / aluminium approx. 0.4 / copper approx. 0.3	
Hysteresis [% of Sr]	1...15	
Switch-point drift [% of Sr]	-10...10	

**Environment**

Ambient temperature [°C]	0...80
Protection	IP 67; if screwed on

**Tests / approvals**

EMC	EN 60947-5-2 EN 55011:	class B
MTTF [Years]	2408	

**Mechanical data**

Mounting	non-flush mountable
Housing materials	stainless steel; LCP
Weight [kg]	0.02

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**Inductive sensors**

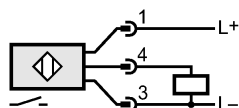
**Displays / operating elements**

Output status indication	LED	red (4 x 90°)
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**Electrical connection**

Connection	M8 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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