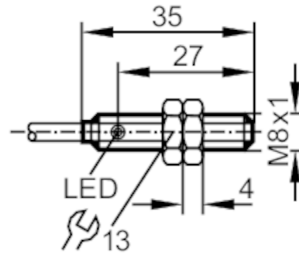


# IE8503



## Inductive sensor

IEC3002-ANOG/0.91M/US-100D



### Product characteristics

Electrical design	NPN
Output function	normally open
Sensing range [mm]	2
Housing	threaded type
Dimensions [mm]	M8 x 1 / L = 35

### Electrical data

Operating voltage [V]	10...36 DC
Current consumption [mA]	15; (24 V)
Reverse polarity protection	no

### Outputs

Electrical design	NPN
Output function	normally open
Max. voltage drop switching output DC [V]	1
Permanent current rating of switching output DC [mA]	200
Switching frequency DC [Hz]	800
Short-circuit protection	no
Overload protection	no

### Detection zone

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

### Accuracy / deviations

Correction factor	steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminium: 0.3 / copper: 0.2
Hysteresis [% of Sr]	1...15
Switch point drift [% of Sr]	-10...10

### Operating conditions

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

### Tests / approvals

EMC	EN 60947-5-2
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## Inductive sensor

IEC3002-ANOG/0.91M/US-100D

MTTF	[years]	5515
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### Mechanical data

Weight	[g]	35.4
Housing		threaded type
Mounting		non-flush mountable
Dimensions	[mm]	M8 x 1 / L = 35
Thread designation		M8 x 1
Materials		PBT

### Displays / operating elements

Display	switching status	1 x LED, yellow
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### Accessories

Items supplied	lock nuts: 2
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### Remarks

Pack quantity	1 pcs.
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### Electrical connection - plug

Cable: 0.9 m, PVC

Connector: 1 x M12; coding: A



### Connection

