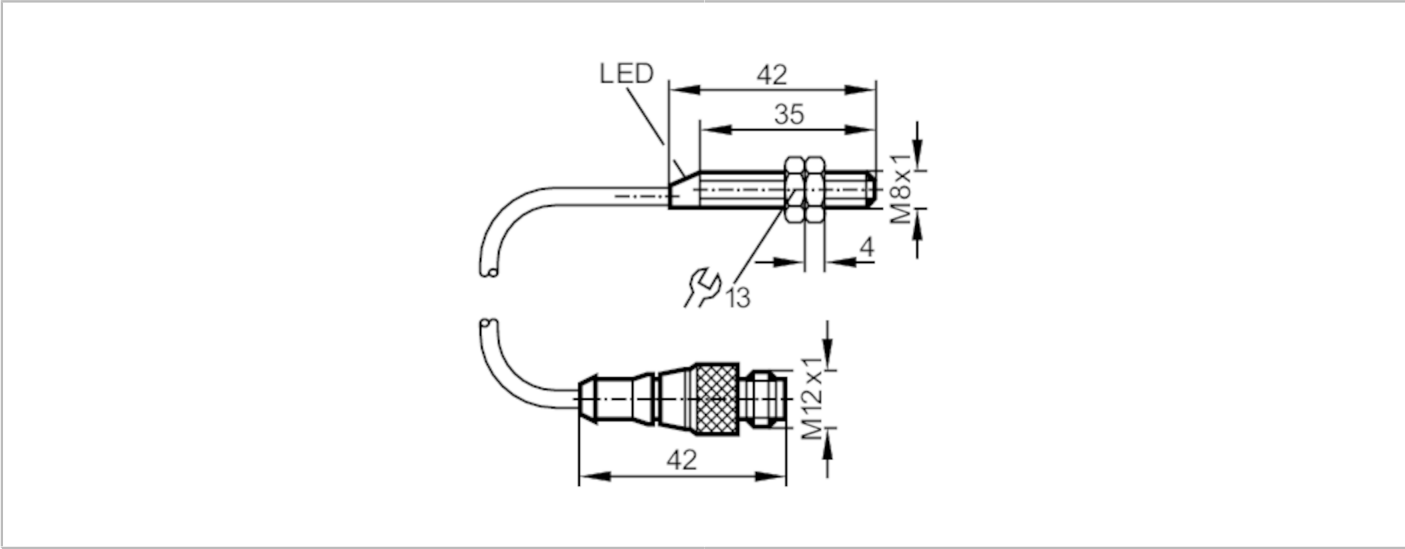




Inductive sensor

IEB3002BBPKG/UP/0,8MPUR/US

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Product characteristics		
Electrical design		PNP/NPN
Output function		normally closed
Sensing range	[mm]	2
Housing		Threaded type
Dimensions	[mm]	M8 x 1 / L = 42
Electrical data		
Operating voltage	[V]	10...55 DC
Protection class		II
Reverse polarity protection		yes
Outputs		
Electrical design		PNP/NPN
Output function		normally closed
Max. voltage drop switching output DC	[V]	4.5
Minimum load current	[mA]	5
Max. leakage current	[mA]	0.6
Permanent current rating of switching output DC	[mA]	100
Switching frequency DC	[Hz]	1000
Short-circuit protection		yes
Type of short-circuit protection		yes (non-latching)
Overload protection		yes
Monitoring range		
Sensing range	[mm]	2
Real sensing range Sr	[mm]	2 ± 10 %

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Operating distance	[mm]	0...1.62
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Accuracy / deviations

Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminum: 0.4 / copper: 0.3
Hysteresis	[% of Sr]	3...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	
	EN 55011	class B

Mechanical data

Housing		Threaded type
Mounting		flush mountable
Dimensions	[mm]	M8 x 1 / L = 42
Thread designation		M8 x 1
Material		brass white bronze coated

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: 0.8 m, PUR

Connector: 1 x M12; coding: A



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Connection

