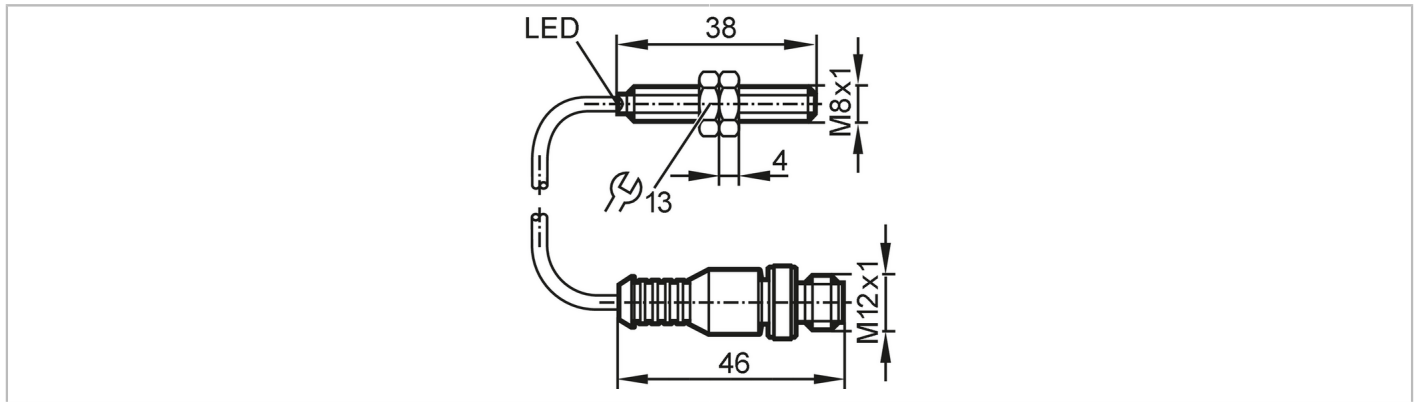


IE5324



Inductive sensor

IEB3002BBPKG/0,8M/FH/US100DPS



Product characteristics		
Electrical design		PNP
Output function		normally open
Sensing range	[mm]	2
Housing		Threaded type
Dimensions	[mm]	M8 x 1 / L = 38
Electrical data		
Operating voltage	[V]	10...36 DC
Current consumption	[mA]	15; (24 V)
Protection class		III
Reverse polarity protection		yes
Outputs		
Electrical design		PNP
Output function		normally open
Max. voltage drop switching output DC	[V]	2.5
Permanent current rating of switching output DC	[mA]	200
Short-time current rating of switching output	[mA]	200
Switching frequency DC	[Hz]	1000
Short-circuit protection		yes
Overload protection		yes
Monitoring range		
Sensing range	[mm]	2
Real sensing range Sr	[mm]	2 ± 10 %
Operating distance	[mm]	0...1.62
Accuracy / deviations		
Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminum: 0.4 / copper: 0.3
Hysteresis	[% of Sr]	1...15
Switch-point drift	[% of Sr]	-10...10

IE5324



Inductive sensor

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Operating conditions

Ambient temperature	[°C]	-25...70
Protection		IP 67

Tests / approvals

EMC	EN 61000-4-2 ESD	4 kV CD / 8 kV AD
	EN 61000-4-3 HF radiated	3 V/m
	EN 61000-4-4 Burst	2 kV
	EN 61000-4-6 HF conducted	3 V
	EN 55011	class B
MTTF	[years]	2804

Mechanical data

Weight	[g]	39.5
Housing		Threaded type
Mounting		flush mountable
Dimensions	[mm]	M8 x 1 / L = 38
Thread designation		M8 x 1
Material		housing: brass white bronze coated; sensing face: LCP
Tightening torque	[Nm]	A = 5 mm: 1 Nm; B: 2 Nm

Displays / operating elements

Display	Switching status	1 x LED, red
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Accessories

Items supplied		lock nuts: 2
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Remarks

Pack quantity		1 pcs.
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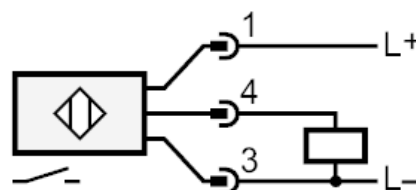
Electrical connection - plug

Cable: 0.8 m, PUR; flame-retardant (FRNC); 3 x 0.14 mm²

Connector: 1 x M12; coding: A; Locking: rotatable



Connection



IE5324

Inductive sensor

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Diagrams and graphs

Installation

