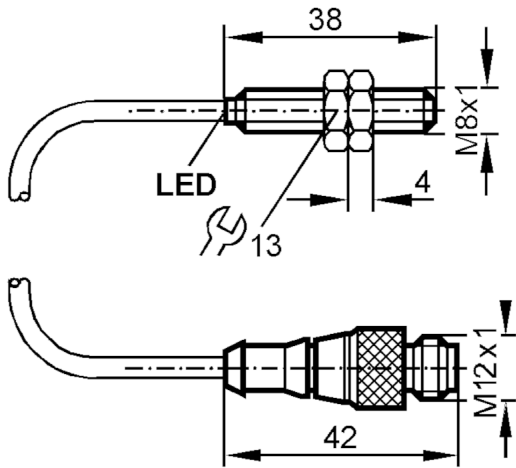


IE5324



Inductive sensor

IEB3002BBPKG/0,8M/FH/US100DPSR



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]	250
Short-time current rating of switching output	[mA]	250
Switching frequency DC	[Hz]	1000
Short-circuit protection		yes
Type of short-circuit protection		pulsed
Overload protection		yes
Detection zone		
Sensing range	[mm]	2
Real sensing range Sr	[mm]	2 ± 10 %
Operating distance	[mm]	0...1.62

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Accuracy / deviations		
Correction factor	steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminium: 0.4 / copper: 0.3	
Hysteresis	[% of Sr]	1...15
Switch point drift	[% of Sr]	-10...10
Operating conditions		
Ambient temperature	[°C]	-25...70
Protection		IP 67
Tests / approvals		
EMC	EN 60947-5-2	class B
	EN 55011	
MTTF	[years]	3502
Mechanical data		
Weight	[g]	41.4
Housing		threaded type
Mounting		flush mountable
Dimensions	[mm]	M8 x 1
Thread designation		M8 x 1
Materials		brass white bronze coated; LCP
Displays / operating elements		
Display	switching status	1 x LED, red
Electrical connection		
Connection		plug
Accessories		
Accessories (supplied)		lock nuts: 2
Remarks		
Pack quantity		1 pcs.
Electrical connection - plug		
Cable: 0.8 m, PUR; flame-retardant (FRNC); 3 x 0.14 mm²		
Connector: 1 x M12; Locking: rotatable		
		

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Connection

