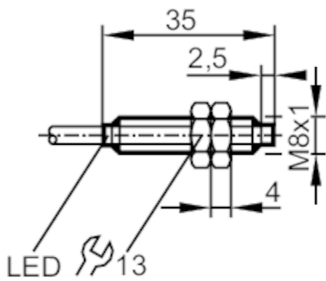




Inductive sensor

IEB3003-BPKG/V4A/2,5M/US RT



Product characteristics		
Electrical design		PNP
Output function		normally open
Sensing range	[mm]	3
Housing		threaded type
Dimensions	[mm]	M8 x 1 / L = 35
Electrical data		
Operating voltage	[V]	10...36 DC
Current consumption	[mA]	< 15
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
Switching frequency DC	[Hz]	300
Short-circuit protection		yes
Type of short-circuit protection		pulsed
Overload protection		yes
Detection zone		
Sensing range	[mm]	3
Real sensing range Sr	[mm]	3 ± 10 %
Operating distance	[mm]	0...2.4
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]	0...70
Protection		IP 67

IE5377



Inductive sensor

IEB3003-BPKG/V4A/2,5M/US RT

Tests / approvals

EMC	EN 60947-5-2	
	EN 55011	class B
MTTF [years]		2819

Mechanical data

Weight [g]	90.5
Housing	threaded type
Mounting	non-flush mountable
Dimensions [mm]	M8 x 1 / L = 35
Thread designation	M8 x 1
Materials	stainless steel; sensing face: PBT

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: 2.5 m, PVC; 3 x 0.14 mm²

Connector: 1 x M12; coding: A



Connection

