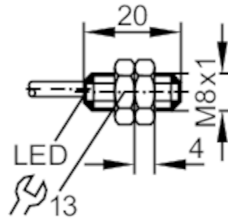




Inductive sensor

IEB31,5-BPKG/4M

Article no longer available - archive entry



Product characteristics

Electrical design		PNP
Output function		normally open
Sensing range	[mm]	1.5
Housing		threaded type
Dimensions	[mm]	M8 x 1 / L = 20

Electrical data

Operating voltage	[V]	10...30 DC
Current consumption	[mA]	10; (24 V)
Reverse polarity protection		yes

Outputs

Electrical design		PNP
Output function		normally open
Max. voltage drop switching output DC	[V]	1.5
Permanent current rating of switching output DC	[mA]	200
Switching frequency DC	[Hz]	4000
Short-circuit protection		yes
Type of short-circuit protection		pulsed
Overload protection		no

Detection zone

Sensing range	[mm]	1.5
Real sensing range S_r	[mm]	$1.5 \pm 10\%$
Operating distance	[mm]	0...1.2

Accuracy / deviations

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

Operating conditions

Ambient temperature	[°C]	-25...70
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IE5389



Inductive sensor

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Protection	IP 67
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Tests / approvals

EMC	EN 60947-5-2	
	EN 55011	class B
MTTF [years]	1045	

Mechanical data

Weight [g]	86.6
Housing	threaded type
Mounting	flush mountable
Dimensions [mm]	M8 x 1 / L = 20
Thread designation	M8 x 1
Materials	housing: stainless steel; sensing face: PA 12

Displays / operating elements

Display	switching status	1 x LED, yellow
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Accessories

Items supplied	lock nuts: 2
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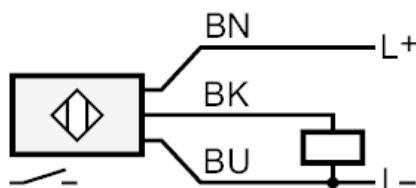
Remarks

Pack quantity	1 pcs.
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Electrical connection

Cable: 4 m, PVC; 3 x 0.14 mm²

Connection



Core colours :
BK = black
BN = brown
BU = blue