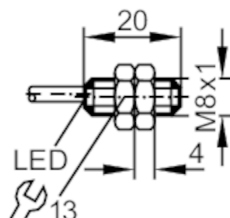




Inductive sensor

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	yes (non-latching)
Overload protection	no

Monitoring range

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 / aluminum: 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

IEB31,5-BPKG/4M

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
Material		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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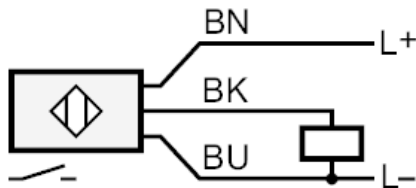
Remarks

Pack quantity	1 pcs.
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Electrical connection

Cable: 4 m, PVC; 3 x 0.14 mm²

Connection



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