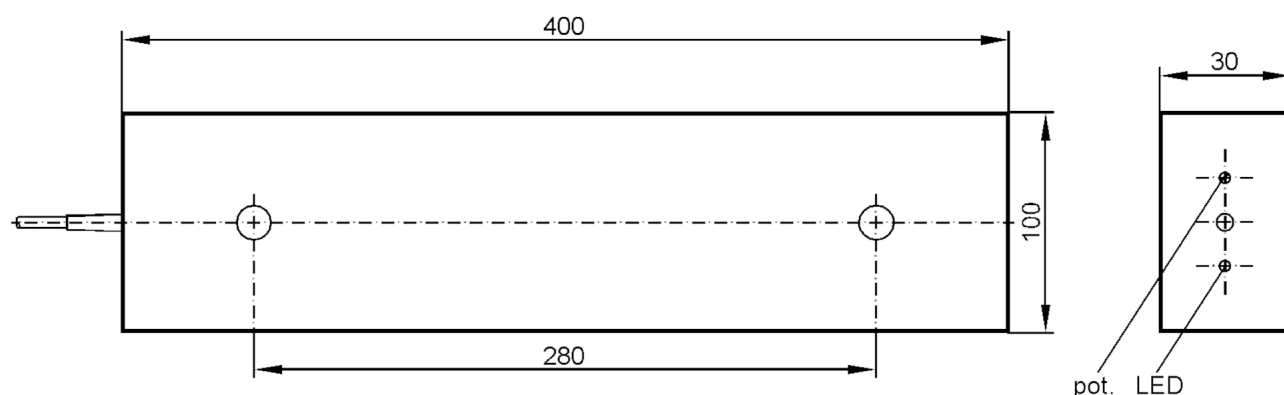




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Product characteristics

Electrical design	PNP
Output function	normally open
Sensing range [mm]	100
Housing	rectangular
Dimensions [mm]	400 x 100 x 30

Electrical data

Operating voltage [V]	12...36 DC
Current consumption [mA]	< 7

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]	2

Detection zone

Sensing range [mm]	100
Sensing range adjustable	yes
Factory setting sensing range [mm]	100

IL9500



Inductive sensor

Real sensing range Sr	[mm]	100 ± 10 %
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Accuracy / deviations

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

Operating conditions

Ambient temperature	[°C]	-20...70
Protection		IP 65

Tests / approvals

EMC	EN 60947-5-2	
	EN 55011	class B

Mechanical data

Housing		rectangular
Mounting		non-flush mountable
Dimensions	[mm]	400 x 100 x 30
Materials		PVC

Displays / operating elements

Display	switching status	1 x LED, yellow
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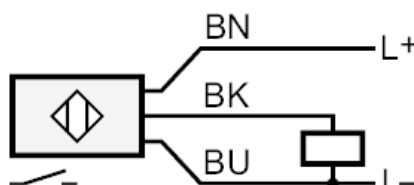
Remarks

Pack quantity		1 pcs.
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Electrical connection

Cable: 2 m, PVC; 2 x 0.5 mm²

Connection



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