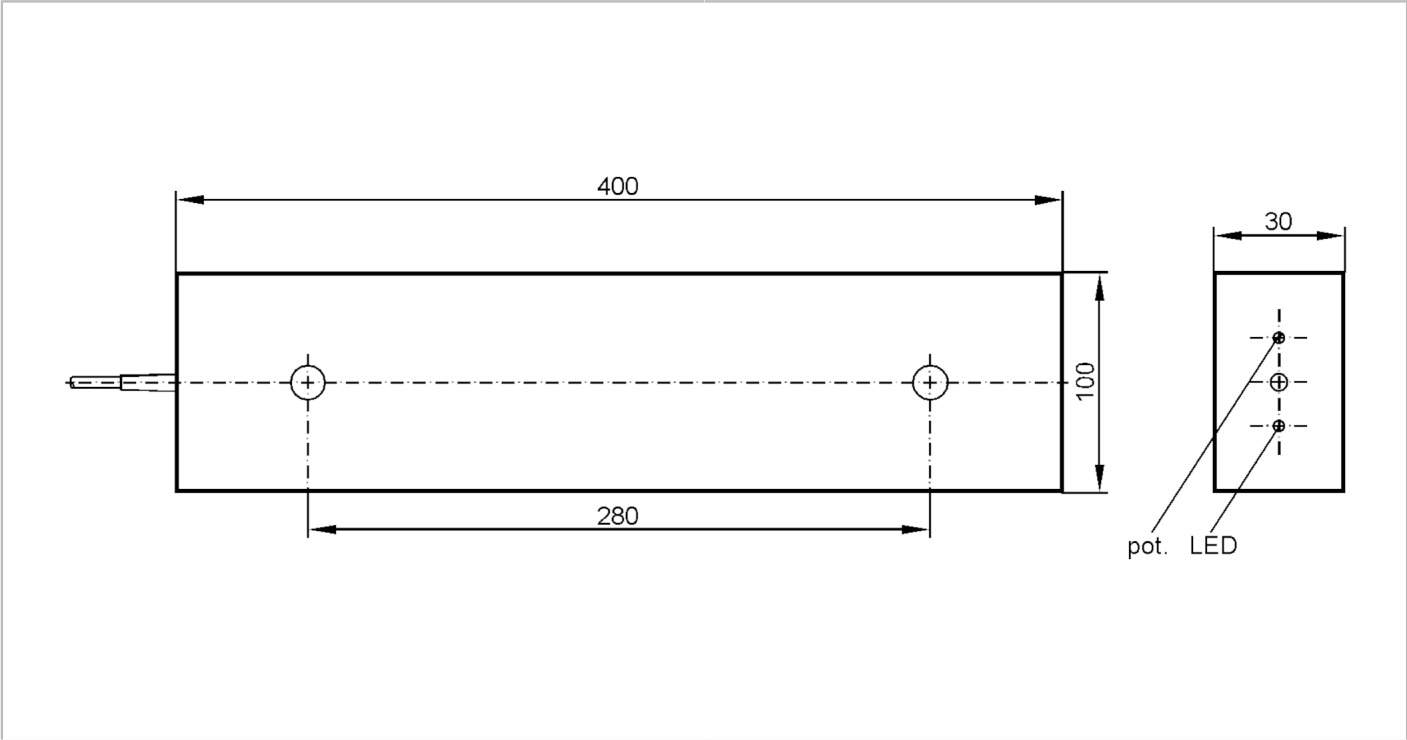


IL9500

Inductive sensor



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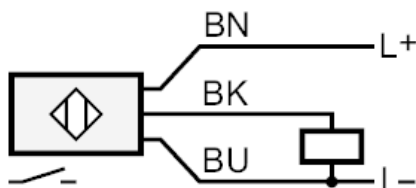
Product characteristics		
Electrical design		PNP
Output function		normally open
Sensing range	[mm]	100
Housing		rectangular
Dimensions	[mm]	400 x 100 x 30
Electrical data		
Operating voltage	[V]	12...36 DC
Current consumption	[mA]	< 7
Outputs		
Electrical design		PNP
Output function		normally open
Max. 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
Monitoring range		
Sensing range	[mm]	100
Sensing range adjustable		yes
Factory setting sensing range	[mm]	100

IL9500



Inductive sensor

Real sensing range Sr	[mm]	100 ± 10 %
Accuracy / deviations		
Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminum: 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
Material		PVC
Displays / operating elements		
Display	Switching status	1 x LED, yellow
Remarks		
Pack quantity		1 pcs.
Electrical connection		
Cable: 2 m, PVC; 2 x 0.5 mm²		
Connection		



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