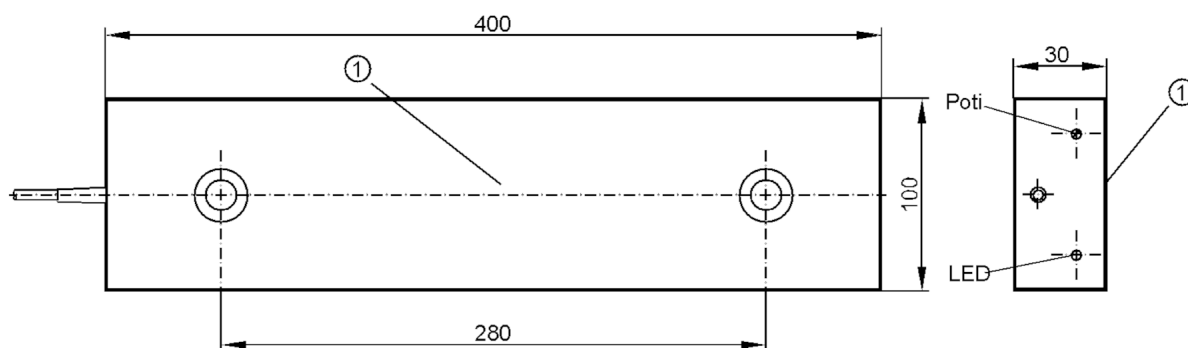


Inductive sensor

SIL-3100-BPOG

Article no longer available - archive entry



1 Sensing face



Product characteristics

Electrical design		PNP
Output function		normally open
Sensing range	[mm]	25...100
Housing		rectangular
Dimensions	[mm]	400 x 100 x 30

Electrical data

Operating voltage	[V]	10...36 DC
Current consumption	[mA]	15; (24 V)
Protection class		II
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]	250
Switching frequency DC	[Hz]	2
Short-circuit protection		yes
Type of short-circuit protection		pulsed



Inductive sensor

SIL-3100-BPOG

Overload protection	yes
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Detection zone

Sensing range [mm]	25...100
Sensing range adjustable	yes
Factory setting sensing range [mm]	100
Real sensing range S_r [mm]	$100 \pm 10 \%$

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]	-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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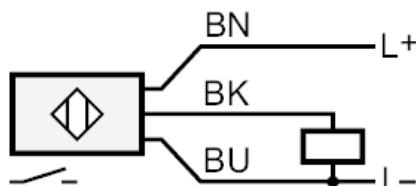
Remarks

Pack quantity	1 pcs.
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Electrical connection

Cable: 2 m, PVC; 3 x 0.5 mm²

Connection



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