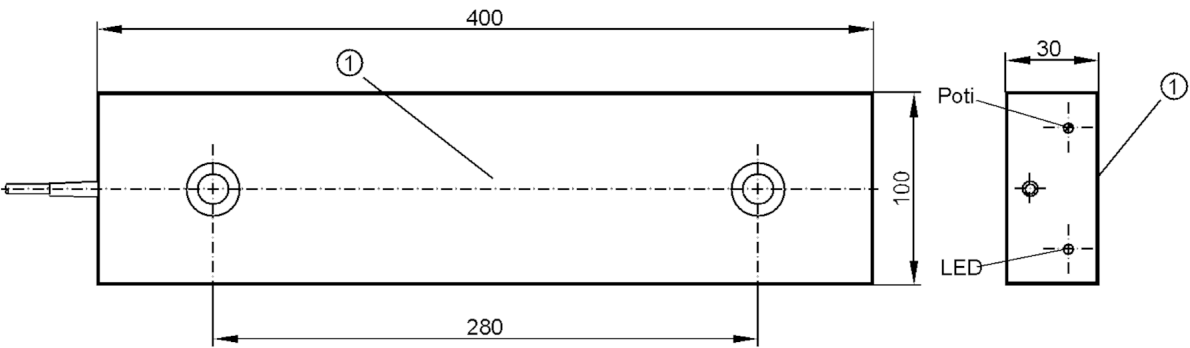




Inductive sensor

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		yes (non-latching)

I47001



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Overload protection	yes
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Monitoring range

Sensing range [mm]	25...100
Sensing range adjustable	yes
Factory setting sensing range [mm]	100
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
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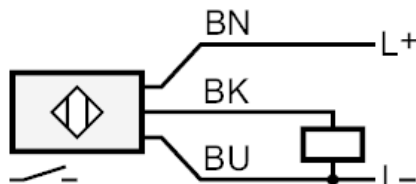
Remarks

Pack quantity	1 pcs.
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Electrical connection

Cable: 2 m, PVC; 3 x 0.5 mm²

Connection



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