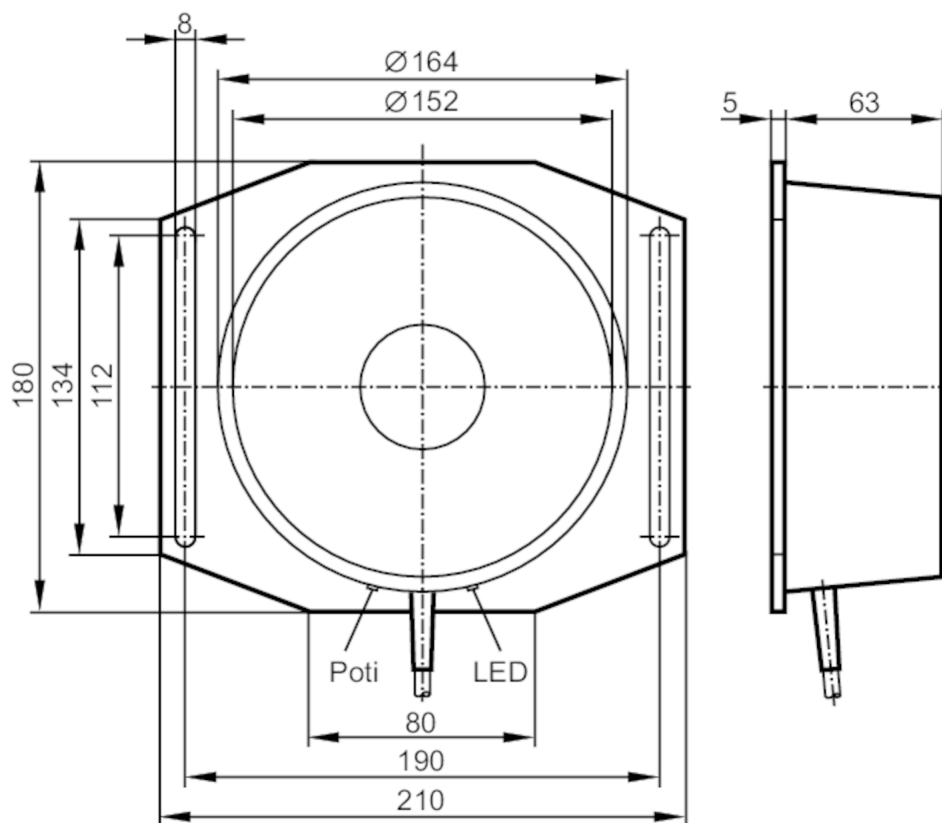


Inductive area sensor

SIY-3120-BPKG/A-PLATE/0,6M/US



Product characteristics

Electrical design		PNP
Output function		normally open
Sensing range	[mm]	30...120
Housing		cylindrical
Dimensions	[mm]	180 x 210 x 68

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]	3
Short-circuit protection		yes

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Type of short-circuit protection	pulsed
Overload protection	yes

Detection zone

Sensing range [mm]	30...120
Sensing range adjustable	yes
Factory setting sensing range [mm]	120
Real sensing range Sr [mm]	120 ± 10 %

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
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Mechanical data

Weight [g]	1582.5
Housing	cylindrical
Mounting	non-flush mountable
Type of mounting	with mounting plate
Dimensions [mm]	180 x 210 x 68
Materials	housing: PBT; Mounting plate: aluminium anodised

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

I27008



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Connection



Electrical connection - plug

Cable: 0.6 m, PVC; 3 x 0.5 mm²

Connector: 1 x M12