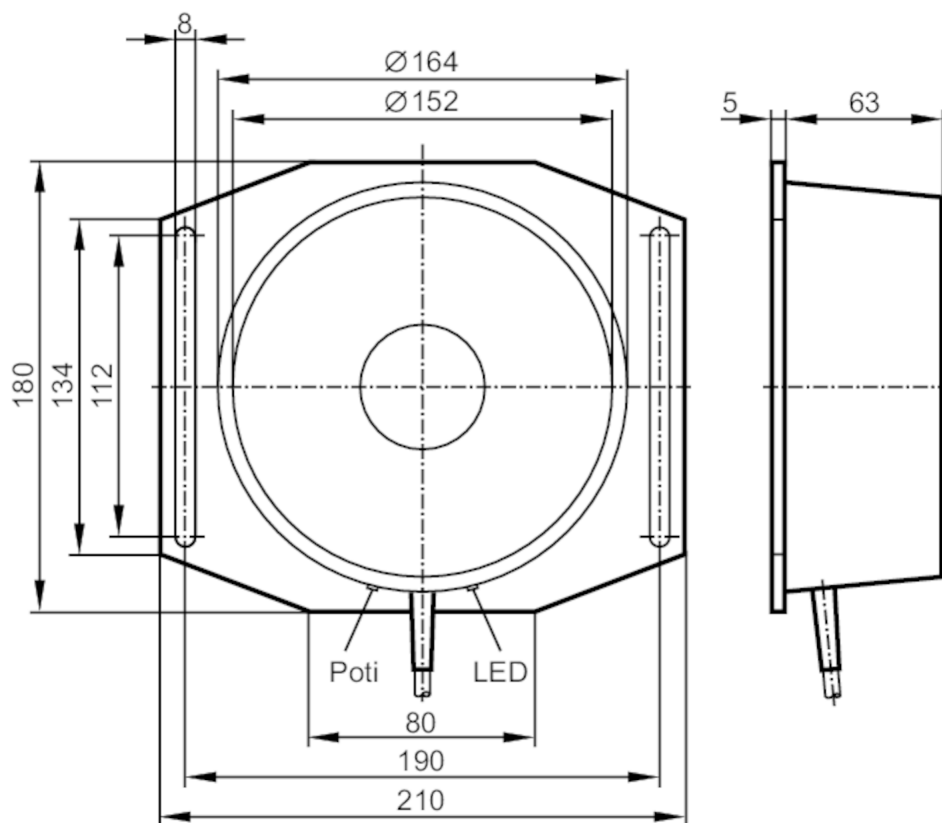


Inductive area sensor

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



Product characteristics

Electrical design	PNP
Output function	normally open
Sensing range [mm]	30...120
Housing	tubular
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	yes (non-latching)
Overload protection	yes

Monitoring range	
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 / 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

Mechanical data	
Weight [g]	1582.5
Housing	tubular
Mounting	non-flush mountable
Type of mounting	with mounting plate
Dimensions [mm]	180 x 210 x 68
Material	housing: PBT; Mounting plate: aluminum anodized

Displays / operating elements		
Display	Switching status	1 x LED, yellow

Remarks	
Pack quantity	1 pcs.

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