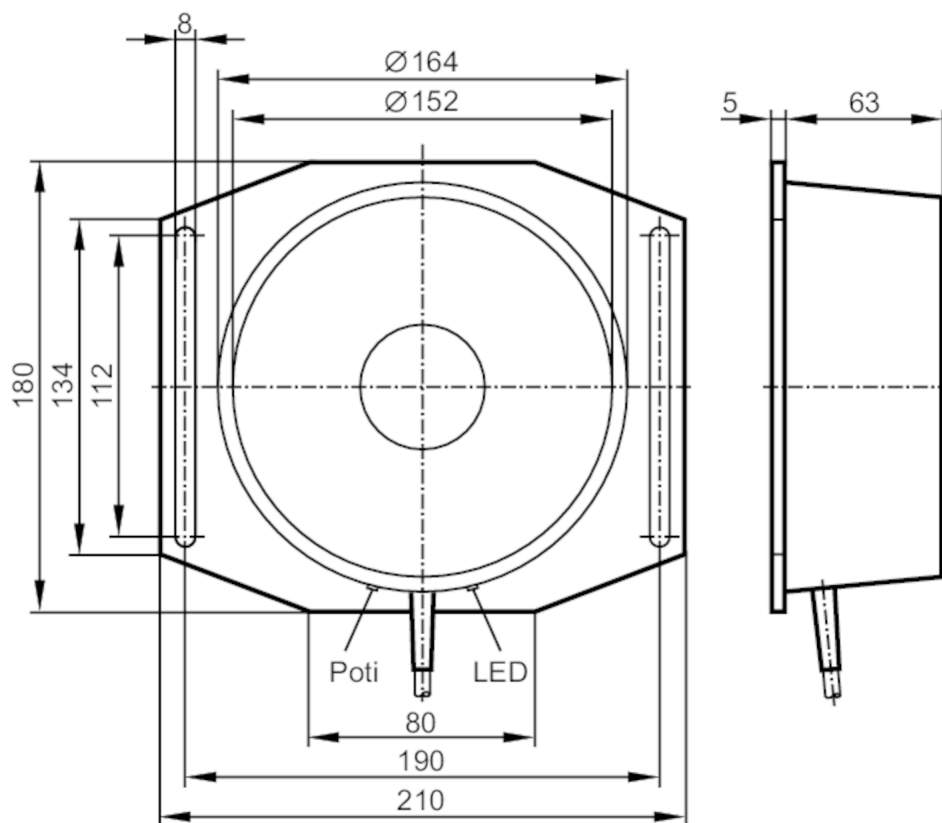


Inductive area sensor

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

**Inductive area sensor**

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

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
-----	--------------

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
---------	------------------	-----------------

Remarks

Pack quantity	1 pcs.
---------------	--------

Electrical connection

I27008



Inductive area sensor

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

Connection



Electrical connection - plug

Cable: 0.6 m, PVC; 3 x 0.5 mm²

Connector: 1 x M12