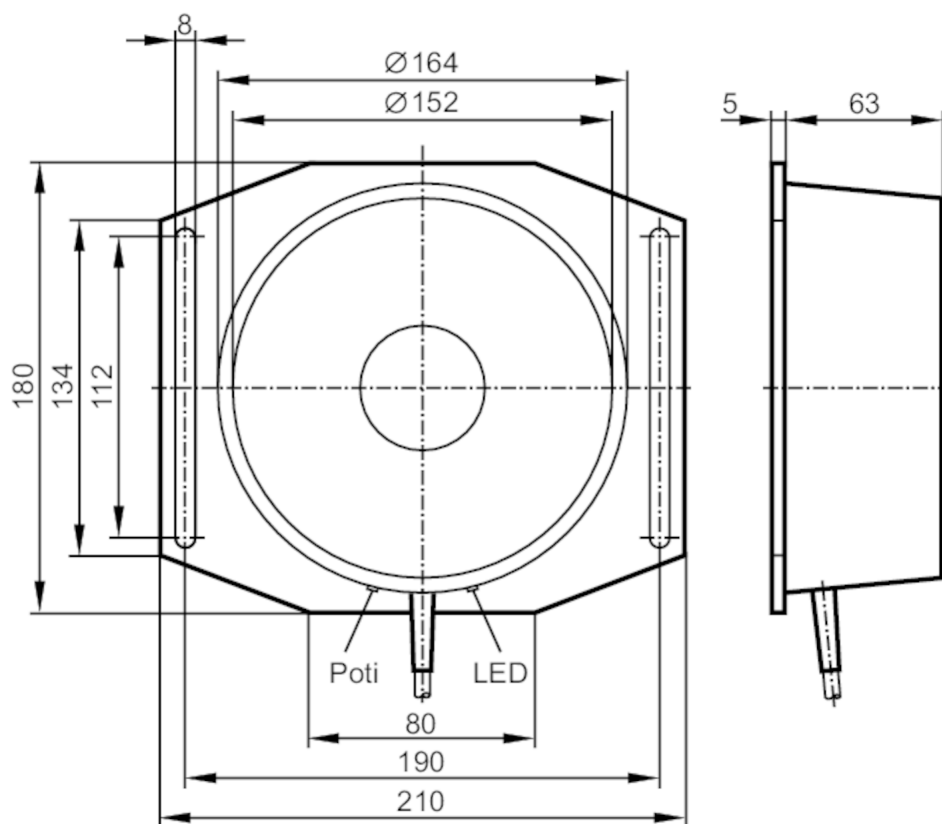


Inductive area sensor

SIY-3120-BPKG/6M

Article no longer available - archive entry



Product characteristics

Electrical design	PNP
Output function	normally open
Sensing range [mm]	30...120
Housing	tubular
Dimensions [mm]	Ø 164 / L = 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



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Switching frequency DC	[Hz]	3
Short-circuit protection		yes
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		
Housing		tubular
Mounting		non-flush mountable
Type of mounting		with mounting plate
Dimensions	[mm]	Ø 164 / L = 68
Material		housing: PBT; Mounting plate: aluminum anodized
Displays / operating elements		
Display	Switching status	1 x LED, yellow
Remarks		
Pack quantity		1 pcs.

I27007



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Electrical connection

Cable: 6 m, PVC; 3 x 0.5 mm²

Connection



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