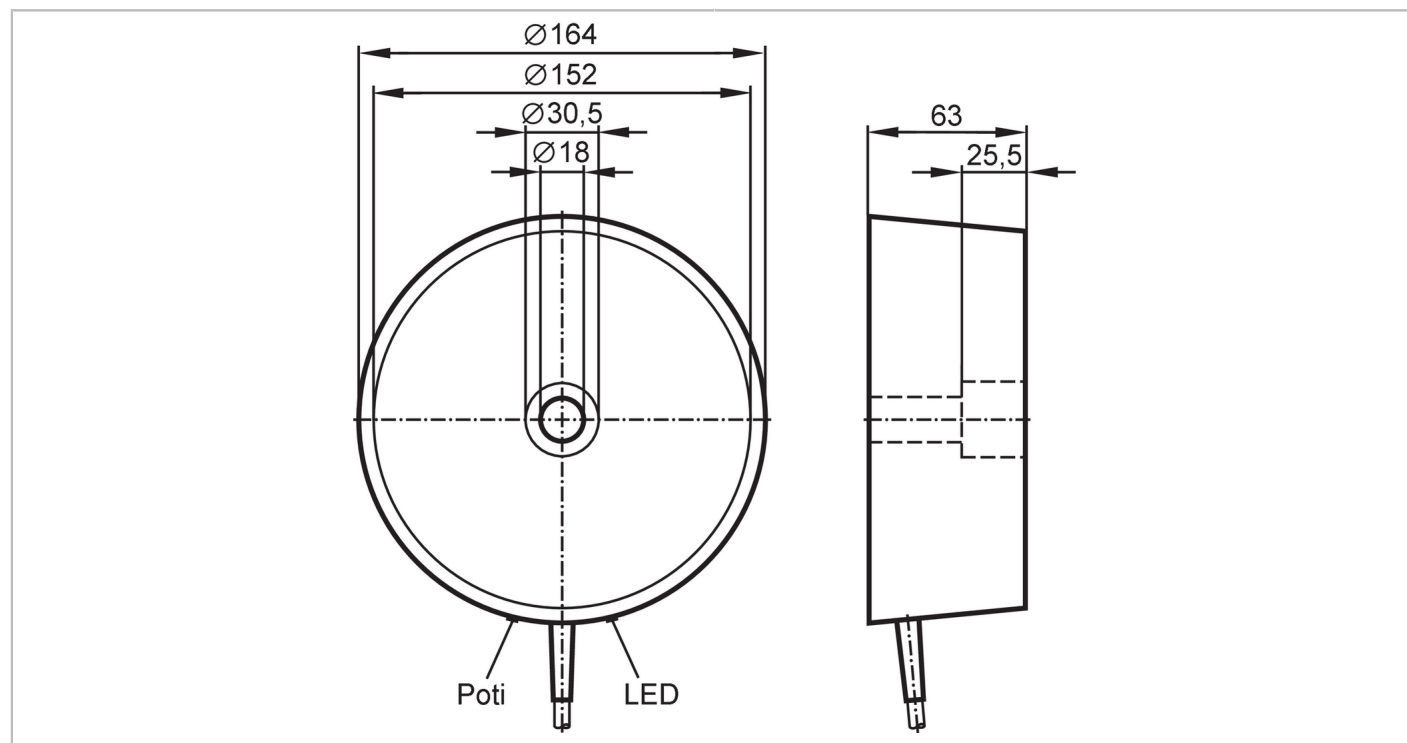




Inductive area sensor

SIY-3120-BPKG



Product characteristics

Electrical design	PNP
Output function	normally open
Sensing range [mm]	30...120
Housing	tubular
Dimensions [mm]	Ø 164 / L = 63

Application

Application	Industrial applications
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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
Type of short-circuit protection	yes (non-latching)

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SIY-3120-BPKG

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	
MTTF	[years]	1049
Mechanical data		
Weight	[g]	1242.5
Housing		tubular
Mounting		non-flush mountable
Dimensions	[mm]	Ø 164 / L = 63
Material		housing: PBT; bottom cover: aluminum
Displays / operating elements		
Display	Switching status	1 x LED, yellow
Accessories		
Items supplied	screws: 1 x (M16 x 90 mm)	
Remarks		
Pack quantity	1 pcs.	

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Inductive area sensor

SIY-3120-BPKG

Electrical connection

Cable: 2 m, PVC; 3 x 0.5 mm²

Connection



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