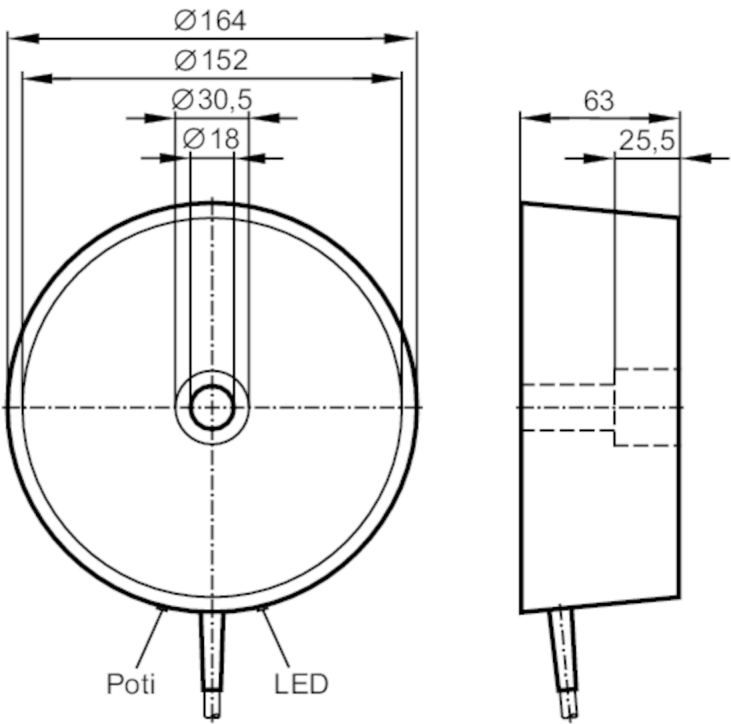




Inductive area sensor

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
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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Inductive area sensor

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	
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



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