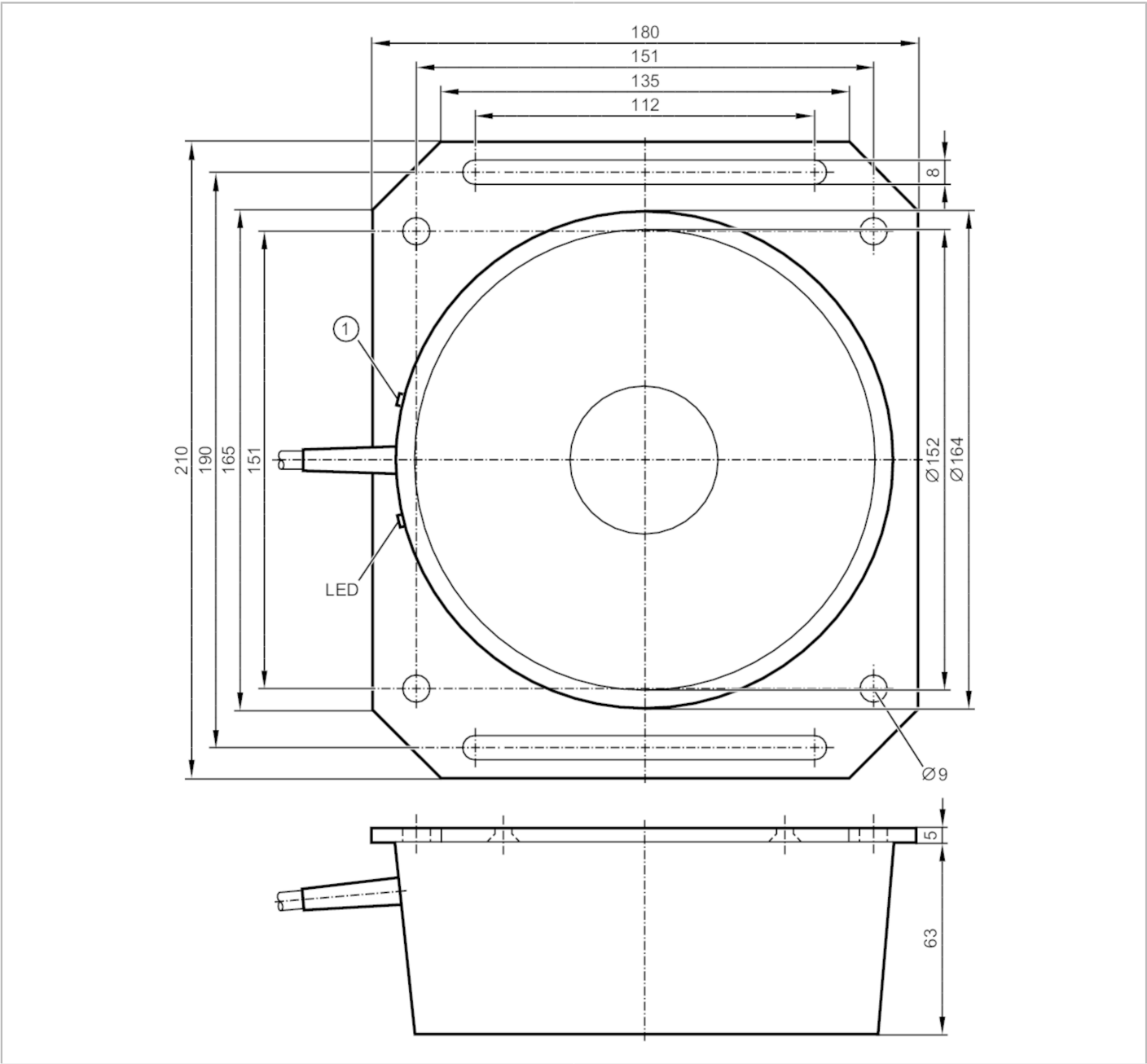




Inductive area sensor

SIY-3120-BPKG/A-PLATE



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



Inductive area sensor

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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)	
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]	1639.5	
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.	

I27003



Inductive area sensor

SIY-3120-BPKG/A-PLATE

Electrical connection

Cable: 2 m, PVC; 3 x 0.5 mm²

Connection



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