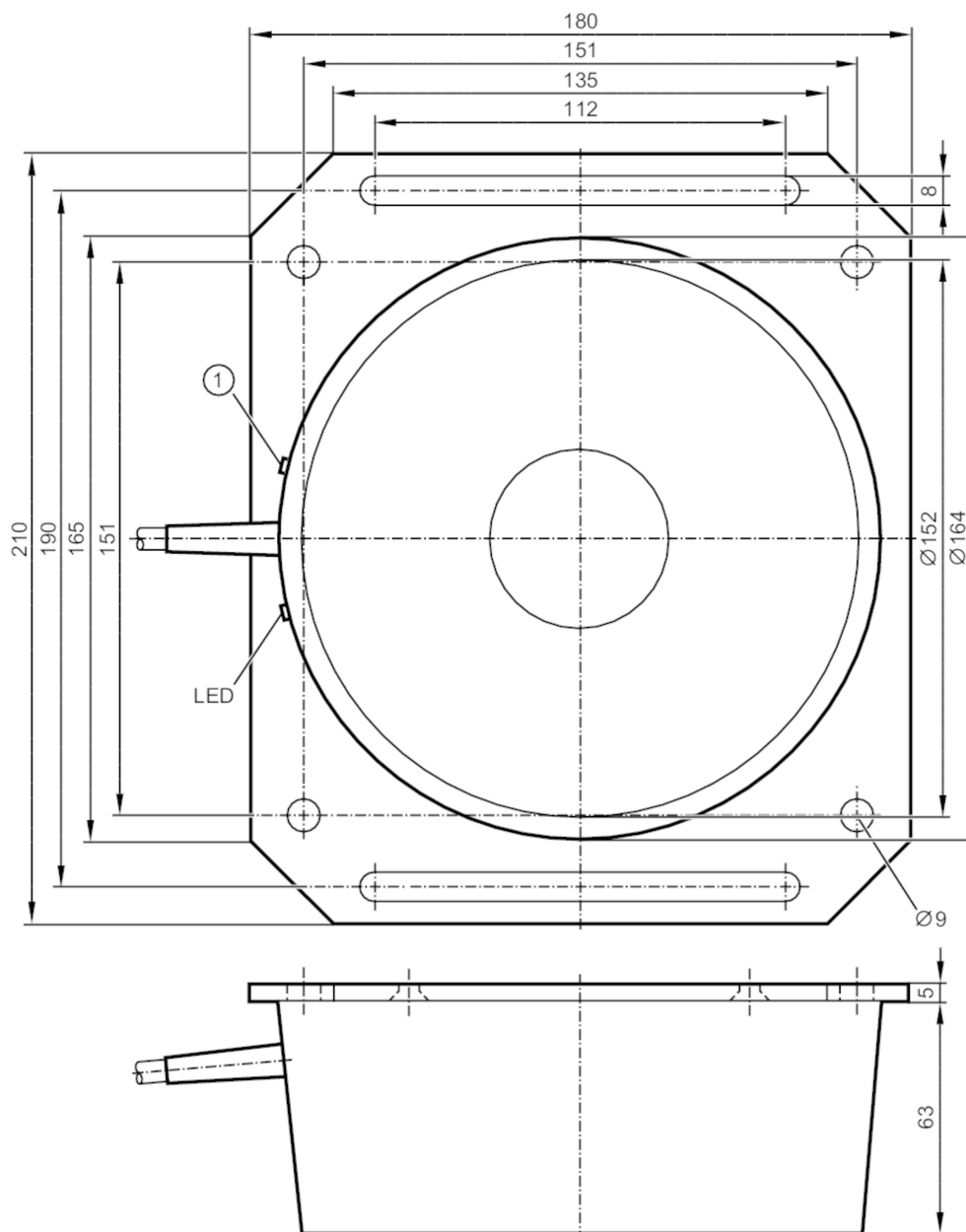


Inductive area sensor

SIY-3120-BPKG/A-PLATE



Product characteristics

Electrical design	PNP
Output function	normally open
Sensing range [mm]	30...120
Housing	cylindrical
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

SIY-3120-BPKG/A-PLATE

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	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]	1639.5	
Housing	cylindrical	
Mounting	non-flush mountable	
Type of mounting	with mounting plate	
Dimensions [mm]	Ø 164 / L = 68	
Materials	housing: PBT; Mounting plate: aluminium anodised	
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 colours :
BN =	black
BU =	brown
	blue