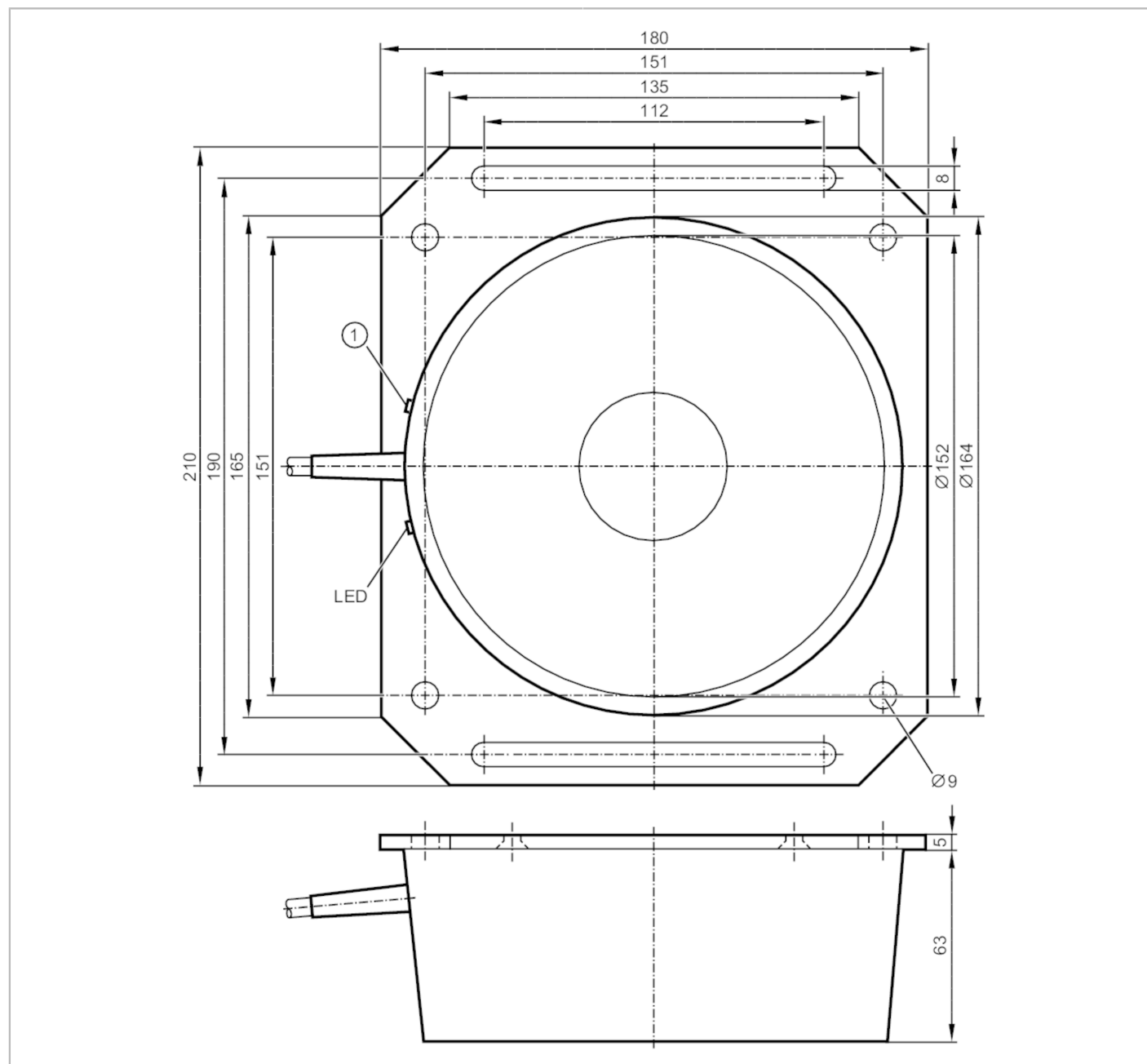


Inductive area sensor

SIY-2120-ABOW/A-PLATE



Product characteristics

Output function		normally open
Sensing range	[mm]	30...120
Housing		cylindrical
Dimensions	[mm]	Ø 164 / L = 68

Electrical data

Frequency AC	[Hz]	47...63
Operating voltage	[V]	90...250 AC
Protection class		II
Reverse polarity protection		no



Inductive area sensor

SIY-2120-ABOW/A-PLATE

Outputs		
Output function	normally open	
Max. voltage drop switching output AC [V]	11	
Minimum load current [mA]	15	
Max. leakage current [mA]	6	
Permanent current rating of switching output AC [mA]	200; (250 (...50 °C))	
Short-time current rating of switching output [mA]	1500; (10 ms / 0,5 Hz)	
Switching frequency AC [Hz]	3	
Short-circuit proof	no	
Overload protection	no	
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]	1629	
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
Electrical connection		
Required protection	miniature fuse to IEC60127-2 sheet 1; ≤ 2 A; fast acting	
Remarks		
Remarks	Recommendation: Check the safe functioning of the unit after a short circuit.	
Pack quantity	1 pcs.	

I22003



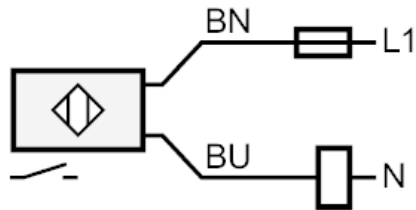
Inductive area sensor

SIY-2120-ABOW/A-PLATE

Electrical connection

Cable: 2 m, PVC; 2 x 0.5 mm²

Connection



Note miniature fuse to IEC60127-2 sheet 1 $\leq$ 2 A fast acting
Core colours :

BN =

brown

BU =

blue