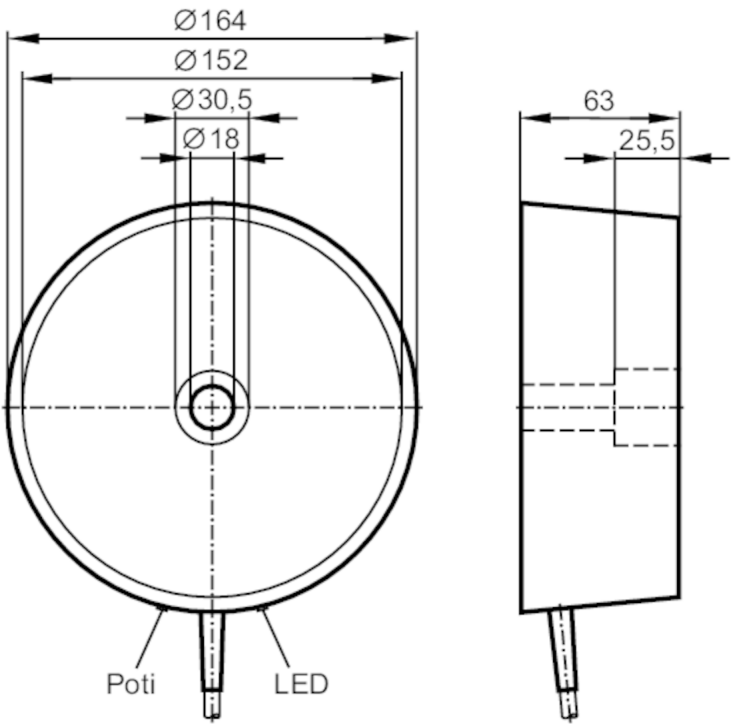




Inductive area sensor

SIY-2120-ABOW



Product characteristics		
Output function		normally open
Sensing range	[mm]	30...120
Housing		cylindrical
Dimensions	[mm]	Ø 164 / L = 63
Electrical data		
Frequency AC	[Hz]	47...63
Operating voltage	[V]	90...250 AC
Protection class		II
Reverse polarity protection		no
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



Inductive area sensor

SIY-2120-ABOW

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	
MTTF [years]	25368	
Mechanical data		
Weight [g]	1231.5	
Housing	cylindrical	
Mounting	non-flush mountable	
Dimensions [mm]	Ø 164 / L = 63	
Materials	housing: PBT; bottom cover: aluminium	
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	
Accessories		
Items supplied	screws: 1 x M16 x 90	
Remarks		
Remarks	Recommendation: Check the safe functioning of the unit after a short circuit.	
Pack quantity	1 pcs.	

I22001



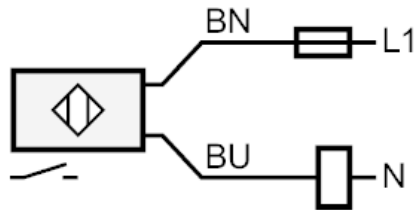
Inductive area sensor

SIY-2120-ABOW

Electrical connection

Cable: 2 m, PVC; 2 x 0.5 mm²

Connection



Note miniature fuse to IEC60127-2 sheet 1 ≤ 2 A fast acting
Core colours :

BN =

brown

BU =

blue