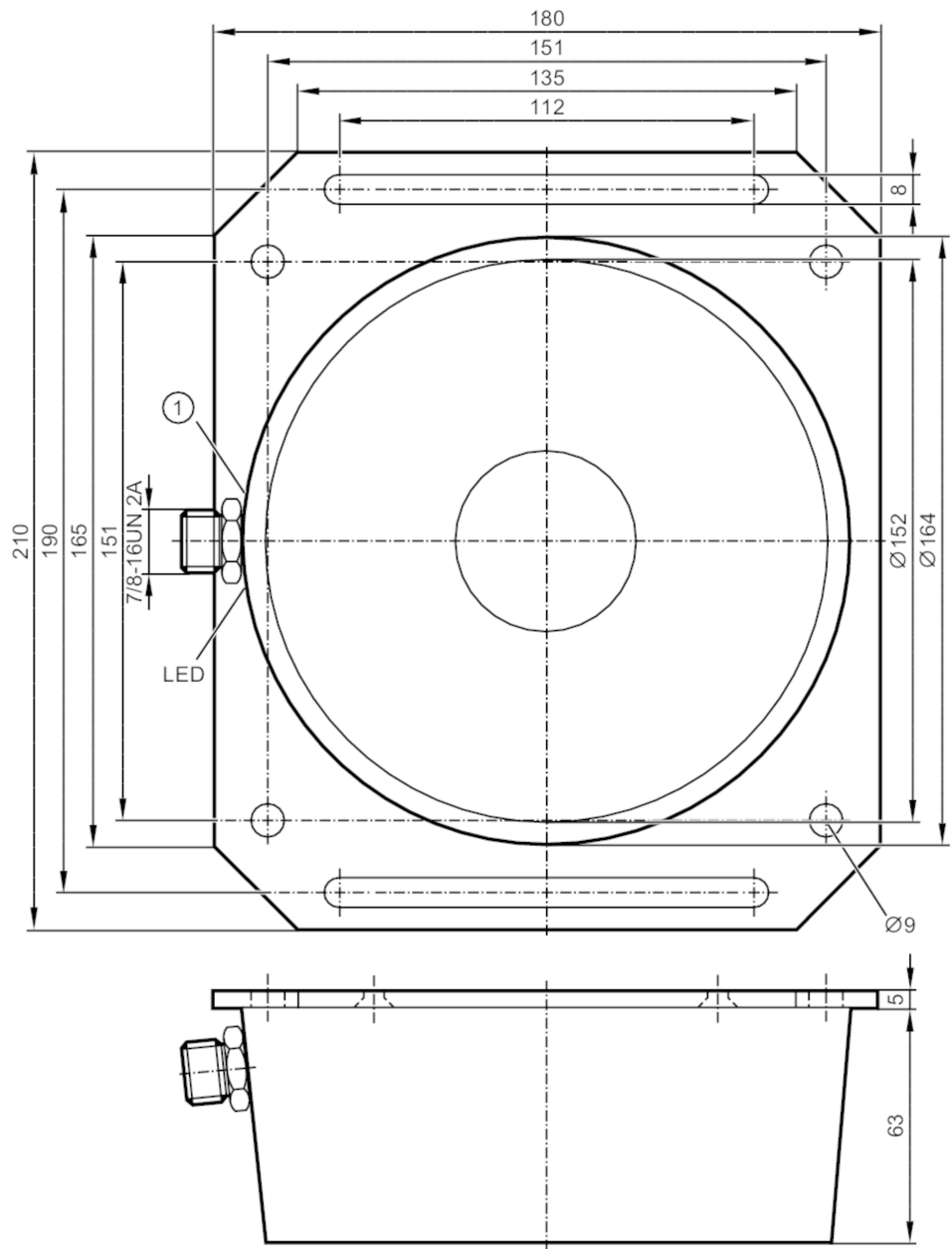




Inductive sensor

SIY-2120-ABOW/LS/A-PLATE



1 potentiometer



Product characteristics

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

Electrical data

Frequency AC	[Hz]	47...63
Operating voltage	[V]	90...250 AC
Protection class		I



Inductive sensor

SIY-2120-ABOW/LS/A-PLATE

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
Overload protection	no
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]	1578
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
Electrical connection	
Required protection	miniature fuse to IEC60127-2 sheet 1; ≤ 2 A; fast acting
Remarks	
Remarks	Recommendation: check the unit for reliable function after a short circuit.
Pack quantity	1 pcs.

I22008



Inductive sensor

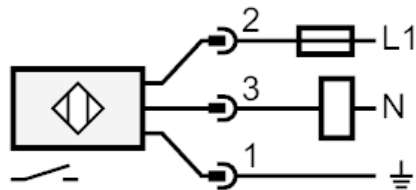
SIY-2120-ABOW/LS/A-PLATE

Electrical connection - plug

Connector: 1 x 7/8"; coding: A



Connection



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