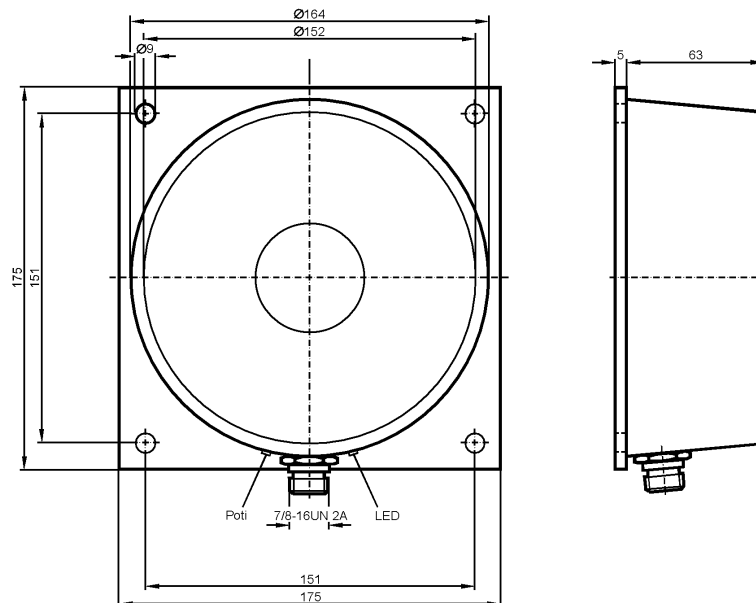



Product characteristics

Inductive sensor

Plastic housing Ø 164 / 175 x 175 mm

Connector

with mounting plate

Sensing range 120 mm; adjustable 30...120 mm; [nf] non-flush mountable

Electrical data

Electrical design	AC
Operating voltage [V]	90...250 AC (47...63 Hz)
Protection class	I
Reverse polarity protection	no

Outputs

Output function	normally open
Voltage drop [V]	< 11
Minimum load current [mA]	15
Leakage current [mA]	< 6

Current rating

- Current rating (continuous) [mA]	250 (...50 °C) / 200 (...70 °C)
- Current rating (peak) [mA]	î: 1.5 A (10 ms / 0.5 Hz)
Short-circuit proof	no
Overload protection	no
Switching frequency [Hz]	3

Range

Sensing range [mm]	120, adjustable 30...120 mm
Real sensing range (Sr) [mm]	120 ± 10 %

I22008

SIY-2120-ABOW/LS/B-PLATE

Inductive sensors
Accuracy / deviations

Correction factors		mild steel = 1 / stainless steel approx. 0.7 / brass approx. 0.4 / Al approx. 0.3 / Cu approx. 0.2
Hysteresis	[% of Sr]	< 15
Switch-point drift	[% of Sr]	-15...15

Environment

Ambient temperature	[°C]	-20...70
Protection		IP 65

Tests / approvals

EMC		EN 60947-5-2
-----	--	--------------

Mechanical data

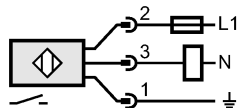
Mounting		non-flush mountable
Housing materials		housing: PBT; Mounting plate: aluminium anodised
Weight	[kg]	1.566

Displays / operating elements

Output status indication	LED	yellow
--------------------------	-----	--------

Electrical connection

Connection		7/8" connector
------------	--	----------------

Wiring


Note: 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	[piece]	1