

INKA4300

Inductive sensors • Norm switching distance

Sensor inductive, Ø105mm 40long, non-flush, Sn: 70, 20-250V AC, two-wire exclusive-OR, cable 2m PVC, IP67, PBT

including Screwdriver



Inductive proximity switches are contact-free sensors. They detect all conductive metals, regardless of whether they move or not. The achievable sensing range of the devices depends on the object material and its dimensions. The vibration-resistant sensors can be approached laterally or frontally. Inductive proximity switches are used for presence detection (e.g. goods carriers), positioning (e.g. dampers), counting (e.g. nuts /bolts), speed detection (e.g. for cog wheels), on conveyor systems (e.g. hose feedings) or distance measurements (e.g. press-in checking) of metallic objects.

Electrical features

Display	LED display
Type of switching function	Exclusive-OR
Type of electrical connection	Cable
Type of switching output	Two-wire
Rated switching current	400 mA
Correction factor (aluminum)	0.4
Correction factor (copper)	0.3
Correction factor (brass)	0.4
Correction factor (St37)	1
Correction factor (stainl. steel)	0.7
No-load current	2.5 mA
Switching distance	70 mm
Switching frequency	10 Hz
Voltage drop	6 V
Reverse polarity protection	Yes
Operating voltage (AC 50Hz)	20 - 250 V

Mechanical features

Number of cores	2
Alignment of cable entry	axial
Design	Cylinder plain
Width	105 mm
Diameter	105 mm
Height	105 mm
Cable length	2 m
Cable infeed	axial
Length	40 mm
Mechanical mounting condition for sensor	non-flush
Degree of protection (IP)	IP67
Active area material of sensor	Plastic (PBT)
Housing material	PBT
Material of cable sheath	Plastic (PVC)
Ambient temperature	-25 - 75 °C

Classification

ETIM 8	EC002714 Inductive proximity switch
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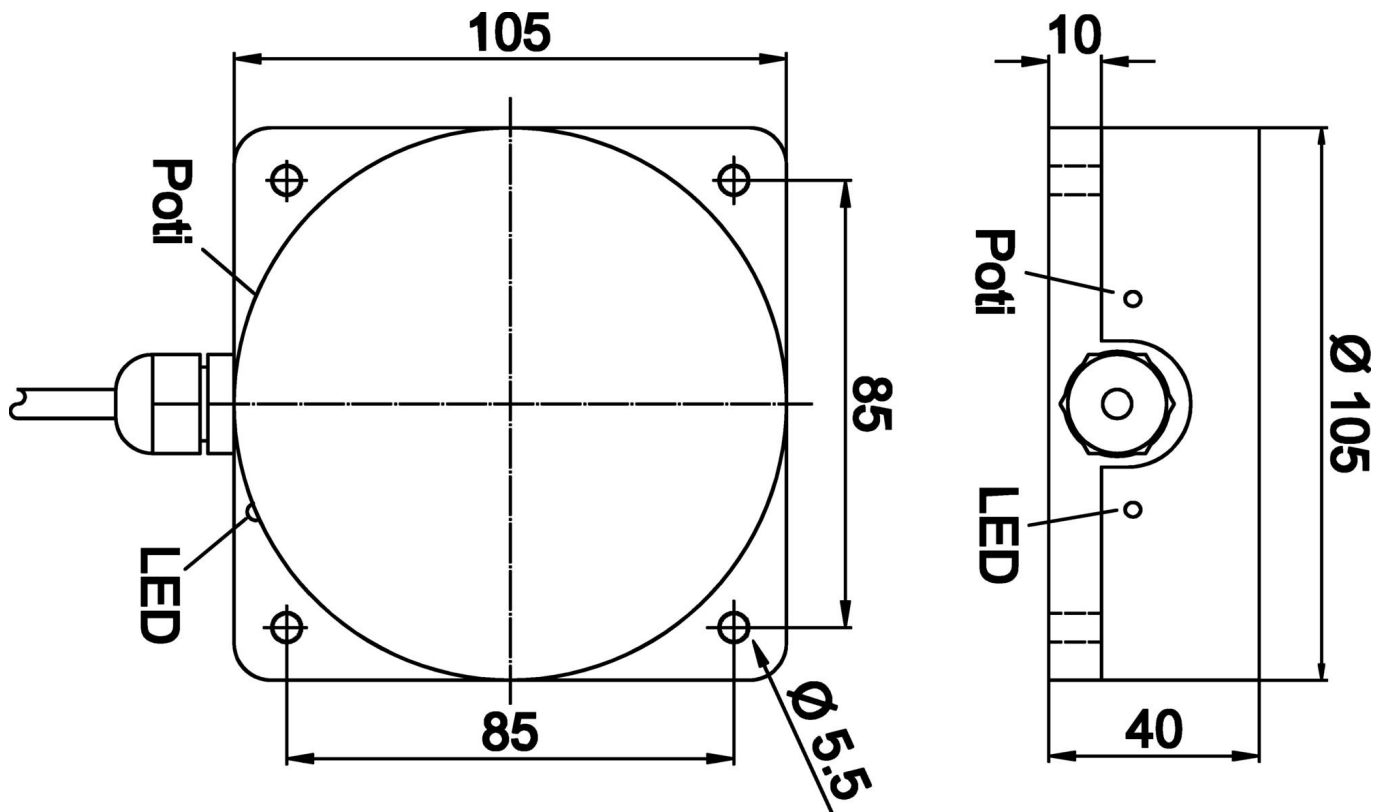
More

IPF Product Group	203 inductive sensors (diverse)
packaging dimensions	220 x 160 x 42 mm
gross weight	692 g
Customs tariff number	85365080
WEEE number	40951076
Reach-compliant	Yes
RoHS-compliant	Yes

Connection



Dimensional drawing



Extract accessories program

AY000141



Plastic sheath, Ø17mm, Inner diameter 10mm, -40-250°C, Glass fiber with silicone rubber, Short-term resistance to weld spatter 1200°C, Tensile strength 400N, Flexible, Flame retardant, yard good

You can find further accessories on our homepage



Installation

Mounting / installation may only be carried out by a qualified electrician!



Disposal

WEEE number according to § 6 para. 3
ElektroG: 40951076

Safety warnings

- / Before initial operation, please make sure to follow all safety instructions that may be provided in the product information.
- / Never use these devices in applications where the safety of a person depends on their functionality.