

## INKA4300

### Inductive sensors • Norm switching distance

sensor inductive, Ø105mm 40long, Non-flush, Sn: 70, 20-250V AC, Two-wire  
Anticoincidence, Cable 2m PVC, IP67, PBT

including 1x 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	400mA
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	2.5mA
Switching distance	70mm
Switching frequency	10Hz
Voltage drop	6V
Reverse polarity protection	Yes
Operating voltage (AC 50Hz)	20 - 250V

## Mechanical features

Number of cores	2
Alignment of cable entry	axial
Design	Cylinder plain
Width	105mm
Diameter	105mm
Height	105mm
Cable length	2m
Cable infeed	axial
Length	40mm
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

## Other features

Ambient temperature	-25 - 75°C
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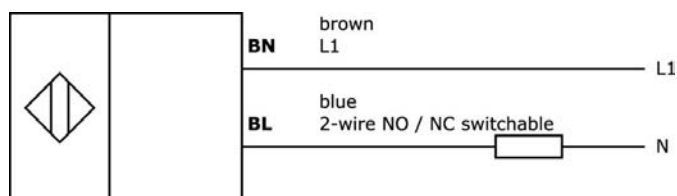
## Classification

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



## Installation



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

## Disposal



**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.

For suitable connection and mounting accessories, please refer to our website [www.ipf-electronic.com](http://www.ipf-electronic.com).

**Dimensional drawing**