

## IN990013

### Inductive sensors • Norm switching distance

sensor inductive, Ø20mm 92long, Non-flush, Sn: 10, 20-250V AC/DC, Two-wire  
Programmable/configurable, Clamp, IP65, PBT

including 2x Spring washer



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

Type of switching function	Programmable/configurable
Type of electrical connection	Clamped terminal connection
Type of switching output	Two-wire
Rated switching current	350mA
Switching distance	10mm
Operating voltage (AC 50Hz)	20 - 250V
Operating voltage (DC)	20 - 250V

#### Mechanical features

Alignment of cable entry	axial
Design	Cylinder plain
Diameter	20mm
Cable infeed	axial
Length	92mm
Mechanical mounting condition for sensor	non-flush
Degree of protection (IP)	IP65
Active area material of sensor	Plastic (PBT)
Housing material	PBT
Ambient temperature	-20 - 80°C

#### Other features

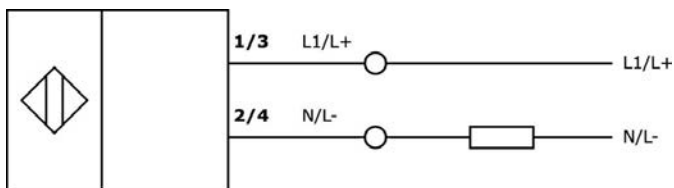
Ambient temperature	-20 - 80°C
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#### Classification

ETIM 8	EC002714 Inductive proximity switch
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**More**

IPF Product Group	203 inductive sensors (diverse)
packaging dimensions	123 x 77 x 25 mm
gross weight	90 g
Customs tariff number	85365080
WEEE number	40951076
OzDS-compliant	Yes
POP-compliant	Yes
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).