

## IN306040

### Inductive sensors • Increased ambient temperature

Sensor inductive, M30x1.5 91long, non-flush, Sn: 13, 0-230°C, connection to amplifier, lemo connector, IP50, VA

including Nut



Inductive proximity switches are contactless sensors. They detect all conductive metals, regardless of whether they are moving or not. The switching distance that the devices can achieve depends on the object material and its dimensions. The vibration-resistant sensors can be approached laterally or from the front. Inductive proximity switches are used for presence detection (e.g. goods carriers), positioning (e.g. oven flaps), counting (e.g. nuts / screws), speed detection (e.g. on gear wheels), on conveyor systems (e.g. hose feeds) or distance measurement (e.g. press-fit inspection) of metallic objects.

#### Electrical features

Type of switching function	Amplifier
Type of electrical connection	Lemo plug connector
Type of switching output	other
Switching distance	13 mm
Switching frequency	150 Hz
Connection to amplifier	Yes

#### Mechanical features

Alignment of cable entry	axial
Design	Cylinder, screw-thread
Thread pitch	1.5 mm
Cable infeed	axial
Length	91 mm
Mechanical mounting condition for sensor	non-flush
Degree of protection (IP)	IP50
Active area material of sensor	Plastic (Vectra®)
Housing material	Stainless steel 1.4305
Thread dimension	M30
Ambient temperature	0 - 230 °C

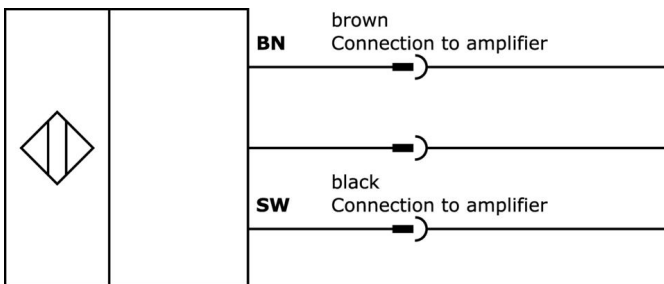
#### Classification

ETIM 8	EC002714 Inductive proximity switch
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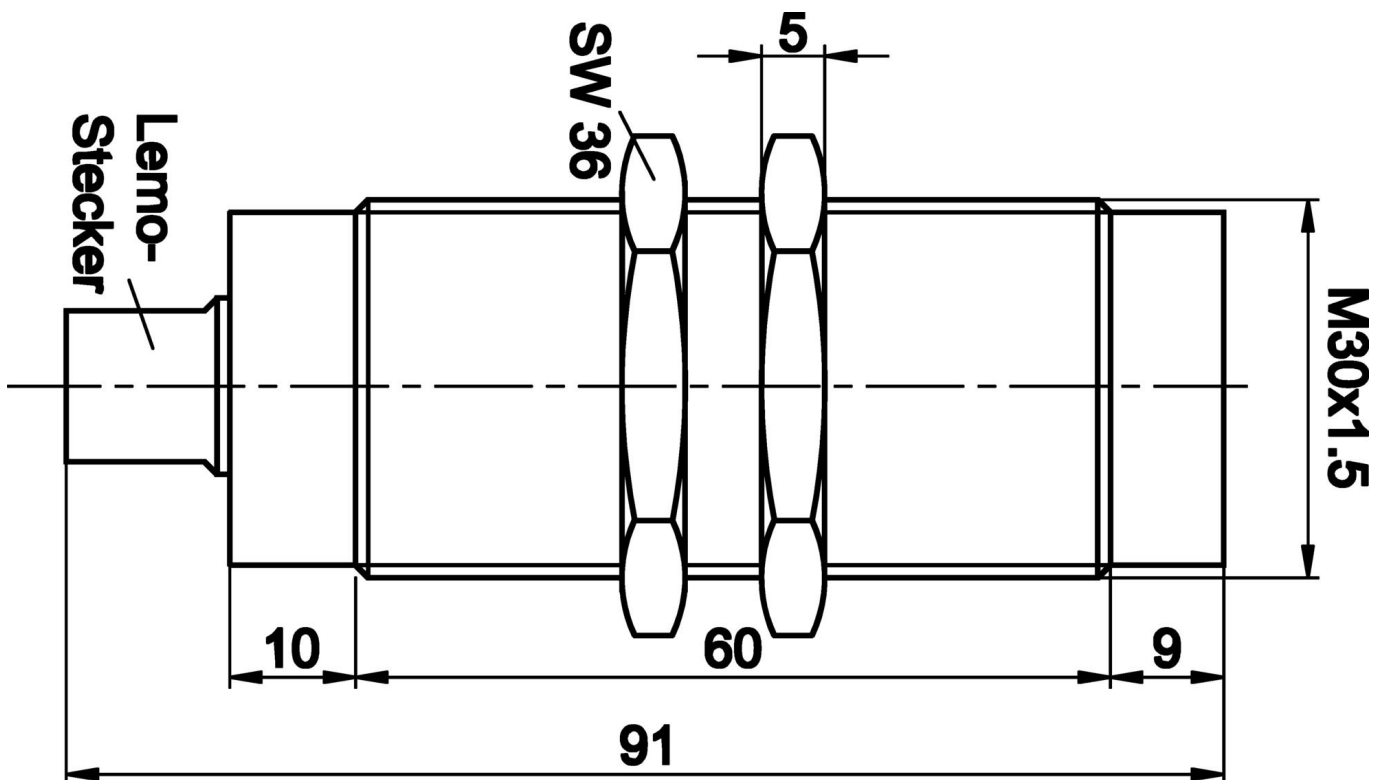
**More**

IPF Product Group	202 inductive sensors (high temperature)
packaging dimensions	105 x 43 x 43 mm
gross weight	160 g
Customs tariff number	85365019
WEEE number	40951076
Reach-compliant	Yes
RoHS-compliant	Yes

**Connection**



**Dimensional drawing**



**Extract accessories program****AY000027**

accessories, Hexagon nut, M30x1.5, Wrench size 36mm, Brass Nickel-plated

**AY000101**

accessories sensor, Mounting angle bracket, 58x28x58mm, Toothed washer for sensor, bracket, Stainless steel

**VK206F41**

Connection cable, 2m, Lemo socket 2-pin straight, M12-connector 2-pin straight, 2x0.34mm<sup>2</sup>, PTFE, -40-250°C

**VK506941**

Connection cable, 5m, Lemo Female (socket) 2pin Straight, Free conductor end, 2x0.34mm<sup>2</sup>, Polytetrafluorethylene (PTFE), -40-250°C, Shielded

**AY000129**

Accessories, magnetic, Ø66mm, neodymium-iron-boron, inside thread M6, rubber

**AY000144**

accessories sensor, Adapter plate, 3x30x85mm, Stainless steel 1.4305

**AY000162**

Accessories, magnetic, Ø43mm, neodymium-iron-boron, inside thread M5, rubber

**AY000159**

accessories sensor, Mounting pipe, Ø12mm 200long, Aluminum Anodised

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.