

IB306040

Inductive sensors • Increased ambient temperature

Sensor inductive, M30x1.5 84long, flush, Sn: 10, 0-230°C, connection to amplifier, lemo connector, IP50, stainl. steel

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
Relative hysteresis	15 %
Switching distance	10 mm
Switching frequency	200 Hz
Connection to amplifier	Yes

Mechanical features

Alignment of cable entry	axial
Design	Cylinder, screw-thread
Thread length	60 mm
Thread pitch	1.5 mm
Cable infeed	axial
Length	84 mm
Mechanical mounting condition for sensor	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

Other features

Reference medium / object	Standard measuring plate FE360 30x30x1mm
---------------------------	--

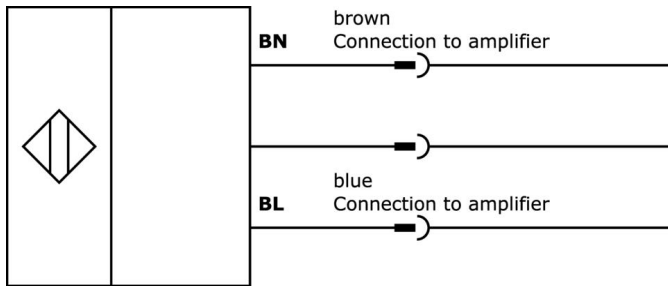
Classification

ETIM 8	EC002714 Inductive proximity switch
--------	-------------------------------------

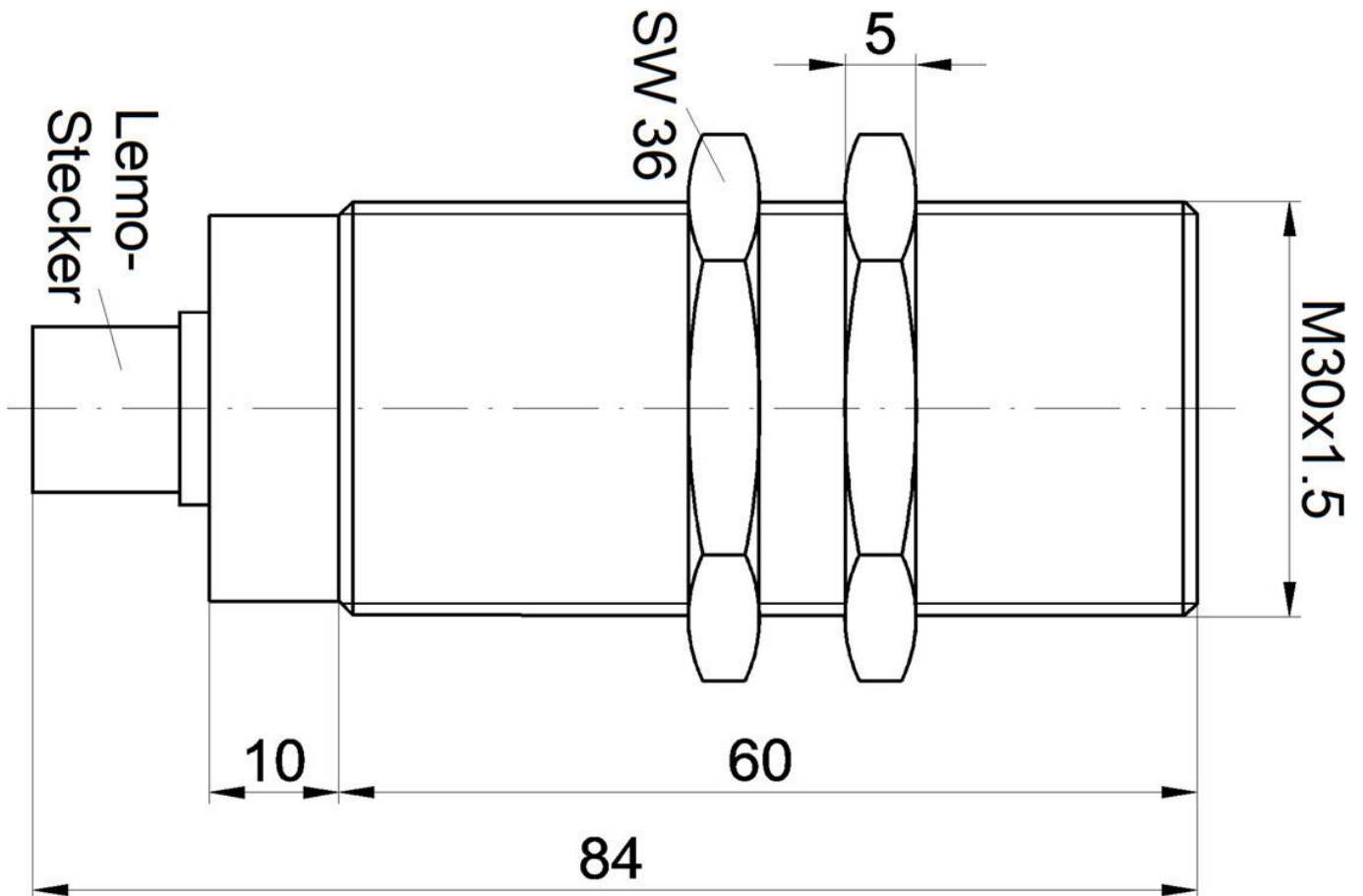
More

IPF Product Group	202 inductive sensors (high temperature)
packaging dimensions	105 x 43 x 43 mm
gross weight	140 g
Customs tariff number	85365019
WEEE number	40951076
Reach-compliant	Yes
RoHS-compliant	Yes

Connection



Dimensional drawing



Extract accessories program

AY000162



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

AY000159



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

AY000158



accessories sensor, Clamp sleeve, M36x1.5 36long, Brass White bronze

AY000129



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

AY000144



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

VK506941



Connection cable, 5m, Lemo Female (socket) 2pin Straight, Free conductor end, 2x0.34mm², Polytetrafluorethylene (PTFE), -40-250°C, Shielded

VKA06941



Connection cable, 10m, Lemo Female (socket) 2pin Straight, Free conductor end, 2x0.34mm², Polytetrafluorethylene (PTFE), -40-250°C, Shielded

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

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.