

## IB300280

### Inductive sensors • Increased ambient temperature

sensor inductive, M30x1.5 91long, Flush, Sn: 10, 10-30V DC, 0-110°C, PNP NC, Cable 2m Polytetrafluorethylene (PTFE), IP69K, Polytetrafluorethylene (PTFE)

including 2x Nut



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	Normally closed contact (NC)
Type of electrical connection	Cable
Type of switching output	PNP
Rated switching current	200mA
Short-circuit protection	Yes
No-load current	4mA
Switching distance	10mm
Switching frequency	100Hz
Voltage drop	1V
Reverse polarity protection	Yes
Operating voltage (DC)	10 - 30V

## Mechanical features

Number of cores	3
Conductor cross-section	0.34mm <sup>2</sup>
Alignment of cable entry	axial
Design	Cylinder, screw-thread
Thread pitch	1.5mm
Cable length	2m
Cable infeed	axial
Length	91mm
Mechanical mounting condition for sensor	flush
Degree of protection (IP)	IP69K
Active area material of sensor	Plastic (PTFE)
Housing material	Polytetrafluorethylene (PTFE)
Material of cable sheath	Plastic (PTFE)
Thread dimension	M30
Ambient temperature	0 - 110°C

## Other features

Oil and cooling lubricants	Yes
Reference medium / object	Standard measuring plate FE360 30x30x1mm
Ambient temperature	0 - 110°C

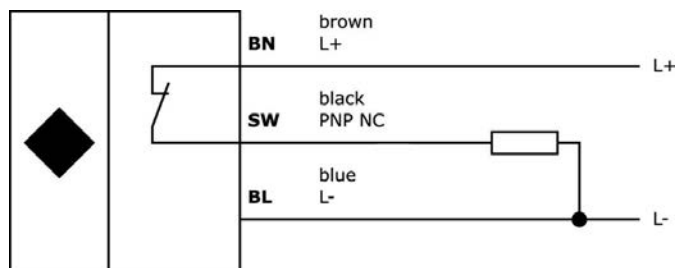
## Classification

ETIM 8	EC002714 Inductive proximity switch
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## More

IPF Product Group	202 inductive sensors (high temperature)
packaging dimensions	149 x 124 x 35 mm
gross weight	226 g
Customs tariff number	85365019
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).