

**IB086050****Inductive sensors • Increased ambient temperature**

sensor inductive, M8x1 30long, Flush, Sn: 2, 0-140°C, Other Anschluss an Verstärker, Connector M12 3m Polytetrafluorethylene (PTFE), IP50, V2A

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	Amplifier
Type of electrical connection	Connector M12
Type of switching output	other
Relative hysteresis	15%
Switching distance	2mm
Switching frequency	300Hz
Reverse polarity protection	Yes
Connection to amplifier	Yes

**Mechanical features**

Alignment of cable entry	axial
Design	Cylinder, screw-thread
Thread length	23mm
Thread pitch	1mm
Cable length	3m
Cable infeed	axial
Length	30mm
Maximum tightening torque	3Nm
Mechanical mounting condition for sensor	flush
Degree of protection (IP)	IP50
Active area material of sensor	Plastic (Vectra®)
Housing material	Stainless steel (V2A)
Material of cable sheath	Plastic (PTFE)
Thread dimension	M8
Ambient temperature	0 - 140°C

**Other features**

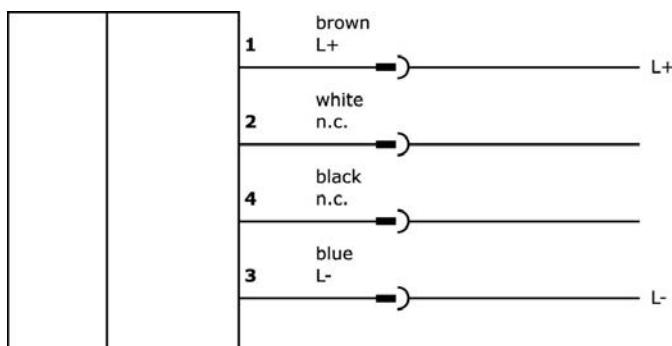
Reference medium / object	Standard measuring plate FE360 8x8x1mm
Ambient temperature	0 - 140°C

**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 28 mm
gross weight	180 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).

## Dimensional drawing

