

IB186051

Inductive sensors • Increased ambient temperature

sensor inductive, M18x1 30long, Flush, Sn: 5, 0-230°C, Other Anschluss an Verstärker,
Cable connector M12 5m Polytetrafluorethylene (PTFE), IP65, Stainless steel 1.4305

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	Cable connector M12
Type of switching output	other
Relative hysteresis	15%
Switching distance	5mm
Switching frequency	300Hz
Connection to amplifier	Yes

Mechanical features

Alignment of cable entry	axial
Design	Cylinder, screw-thread
Thread length	25mm
Thread pitch	1mm
Cable length	5m
Cable infeed	axial
Length	30mm
Mechanical mounting condition for sensor	flush
Degree of protection (IP)	IP65
Active area material of sensor	Plastic (Vectra®)
Housing material	Stainless steel 1.4305
Material of cable sheath	Plastic (PTFE)
Thread dimension	M18
Ambient temperature	0 - 230°C

Other features

Reference medium / object	Standard measuring plate FE360 18x18x1mm
Ambient temperature	0 - 230°C

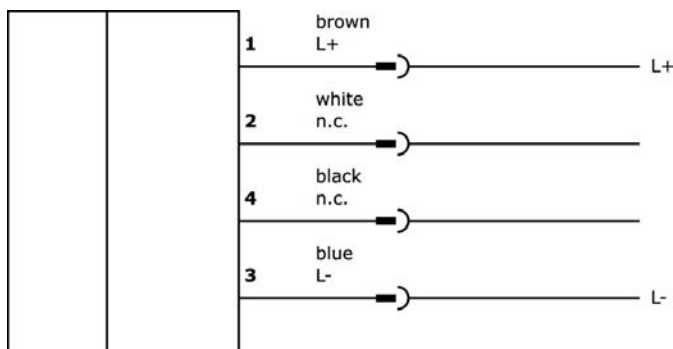
Classification

ETIM 8	EC002714 Inductive proximity switch
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More

IPF Product Group	202 inductive sensors (high temperature)
packaging dimensions	149 x 124 x 28 mm
gross weight	220 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.

Dimensional drawing