

IN40E174

Inductive sensors • Increased ambient temperature

sensor inductive, 40x66x40mm, Non-flush, Sn: 15, 0-230°C, Anschluss an Verstärker, Lemo-connector 3pin, IP50, Stainless steel 1.4305



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	Lemo plug connector
Relative hysteresis	15%
Correction factor (aluminum)	0.3
Correction factor (copper)	0.2
Correction factor (brass)	0.4
Correction factor (St37)	1
Correction factor (stainl. steel)	0.7
Number of pins	3
Switching distance	15mm
Switching frequency	100Hz
Connection to amplifier	Yes

Mechanical features

Design	Cuboid
Width	40mm
Height	40mm
Cable infeed	axial
Length	66mm
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
Ambient temperature	0 - 230°C

Other features

Ambient temperature	0 - 230°C
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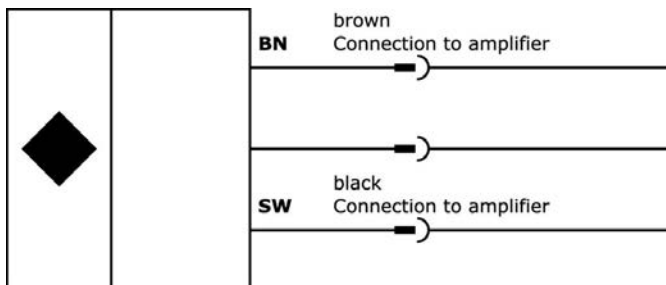
Classification

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	300 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

