

IN50C941

Inductive sensors • Increased ambient temperature

sensor inductive, M50x1.5 77long, Non-flush, Sn: 25, 0-230°C, Other Anschluss an Verstärker, Lemo-connector, Stainless steel 1.4305, ATEX

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 electrical connection	Lemo plug connector
Type of switching output	other
Switching distance	25mm
Connection to amplifier	Yes

Mechanical features

Alignment of cable entry	axial
Design	Cylinder, screw-thread
Thread pitch	1.5mm
Cable infeed	axial
Length	77mm
Mechanical mounting condition for sensor	non-flush
Active area material of sensor	Plastic (Vectra®)
Housing material	Stainless steel 1.4305
Thread dimension	M50
Ambient temperature	0 - 230°C

Other features

ATEX product marking, dust	II 3D Ex tc IIIB T235°C Dc 0°C<Tamb<230°C
Ambient temperature	0 - 230°C

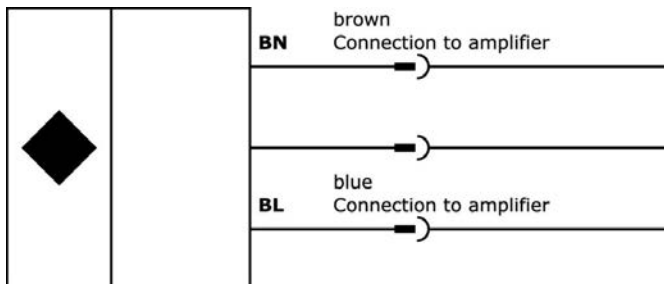
Classification

ETIM 8	EC002714 Inductive proximity switch
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More

IPF Product Group	202 inductive sensors (high temperature)
packaging dimensions	160 x 99 x 60 mm
gross weight	330 g
Customs tariff number	85365019
WEEE number	40951076
ATEX-compliant	Yes
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.