

IN12E227

Inductive sensors • Increased ambient temperature

sensor inductive, M12x1 66long, Non-flush, Sn: 4, -25-140°C, NAMUR Anschluss an Verstärker, Cable 5m FEP, IP68, V4A, 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 switching function	Amplifier
Type of electrical connection	Cable
Type of switching output	NAMUR
Rated switching current	2100mA
Switching distance	4mm
Min. output current	1.2mA
Connection to amplifier	Yes

Mechanical features

Conductor cross-section	0.34mm ²
Alignment of cable entry	axial
Design	Cylinder, screw-thread
Thread length	44mm
Thread pitch	1mm
Cable length	5m
Cable infeed	axial
Length	66mm
Mechanical mounting condition for sensor	non-flush
Degree of protection (IP)	IP68
Active area material of sensor	Plastic (PEEK)
Housing material	Stainless steel 1.4571
Material of cable sheath	Plastic (FEP)
Thread dimension	M12
Ambient temperature	-25 - 140°C

Other features

Explosion safety category for gas	ATEX gas-ex-protection, Cat. 1G
Explosion safety category for dust	ATEX dust-ex-protection, Cat. 1D
Ambient temperature	-25 - 140°C

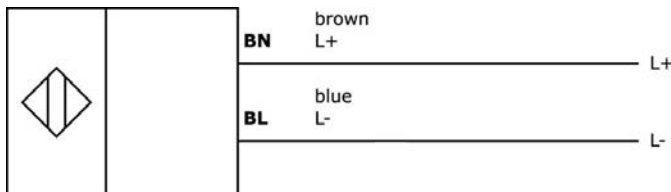
Classification

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	178 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.

Dimensional drawing

