

IC130170

Inductive sensors • Full-metal housing

sensor inductive, all-steel, 12x66x12mm, Flush, Sn: 2, 10-30V DC, PNP NO, Connector M8 3pin, IP67, 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

Display	LED display
Type of switching function	Normally open contact (NO)
Type of electrical connection	Connector M8
Type of switching output	PNP
Rated switching current	200mA
Relative hysteresis	15%
Correction factor (brass)	0.2
Correction factor (St37)	1
Correction factor (stainl. steel)	0.6
Short-circuit protection	Yes
No-load current	15mA
Number of pins	3
Switching distance	2mm
Switching frequency	40Hz
Voltage drop	2V
Reverse polarity protection	Yes
Operating voltage (DC)	10 - 30V

Mechanical features

Design	Cuboid
Width	12mm
Height	12mm
Cable infeed	axial
Length	66mm
Mechanical mounting condition for sensor	flush
Degree of protection (IP)	IP67
Active area material of sensor	Stainless steel 1.4305
Housing material	Stainless steel 1.4305
Ambient temperature	-25 - 70°C

Other features

Harsh environmental conditions	Yes
Feeding technology	Yes
Oil and cooling lubricants	Yes
Ambient temperature	-25 - 70°C

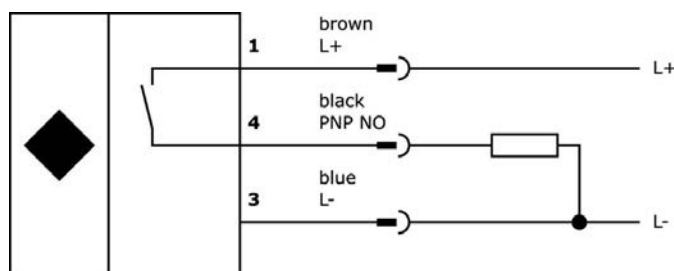
Classification

ETIM 8	EC002714 Inductive proximity switch
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More

IPF Product Group	204 inductive sensors (all-steel)
packaging dimensions	120 x 100 x 17 mm
gross weight	40 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

