IN305130

Inductive sensors ● Norm switching distance

sensor inductive, M30x1.5 80long, Non-flush, Sn: 15, 20-250V AC/DC, Two-wire NO,
MC-connector 3pin 2m PVC, IP67, Brass Nickel-plated

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 plug-in contact	Female (socket)
Type of switching function	Normally open contact (NO)
Type of electrical connection	MC-connector
Type of switching output	Two-wire
Rated switching current	350mA
Relative hysteresis	15%
Short-circuit protection	Yes
Number of pins	3
Relative repeat accuracy	5%
Switching distance	15mm
Switching frequency	30Hz
Voltage drop	5V
Min. output current	2mA
Operating voltage (AC 50Hz)	20 - 250V
Operating voltage (DC)	20 - 250V

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Mechanical features

Conductor cross-section	0.5mm²
Alignment of cable entry	axial
Design	Cylinder, screw-thread
Thread pitch	1.5mm
Cable length	2m
Cable infeed	axial
Length	80mm
Mechanical mounting condition for sensor	non-flush
Surface	nickel-plated
Degree of protection (IP)	IP67
Active area material of sensor	Plastic (PA6.1)
Housing material	Brass
Material of cable sheath	Plastic (PVC)
Coding	U
Thread dimension	M30
Ambient temperature	-25 - 70°C

Other features

Reference medium / object	Standard measuring plate FE360 30x30x1mm
Ambient temperature	-25 - 70°C

Classification

ETIM 8	EC002714 Inductive proximity switch

More

IPF Product Group	203 inductive sensors (diverse)
packaging dimensions	105 x 43 x 43 mm
gross weight	170 g
Customs tariff number	85365080
WEEE number	40951076
OzDS-compliant	Yes
POP-compliant	Yes
Reach-compliant	Yes
RoHS-compliant	Yes

Connection

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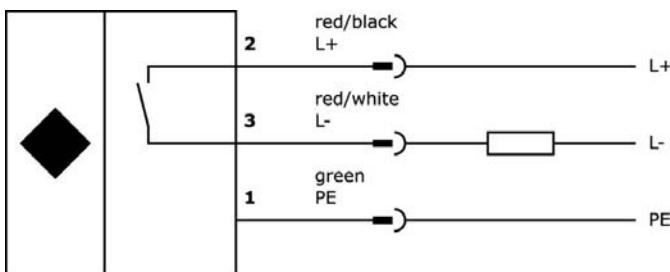
Installation

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

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