AbN
automation

IB990912

Inductive sensors ● Norm switching distance

sensor inductive, Ø6,5mm 16long, Flush, Sn: 1.5, 10-30V DC, PNP NO, IO-Link, Cable 2m PVC, IP67, V2A

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	Normally open contact (NO)
Type of electrical connection	Cable
Type of switching output	PNP
Rated switching current	200mA
Line diameter	3.5mm
Switching distance	1,5mm
Operating voltage (DC)	10 - 30V

Mechanical features

Alignment of cable entry	radial
Design	Cylinder plain
Diameter	6.5mm
Cable length	2m
Cable infeed	axial
Length	16mm
Mechanical mounting condition for sensor	flush
Degree of protection (IP)	IP67
Active area material of sensor	Plastic (PA6.6)
Housing material	Stainless steel 1.4301
Material of cable sheath	Plastic (PVC)
Ambient temperature	-25 - 70°C

Other features

IO-Link version	V1.0.1
Ambient temperature	-25 - 70°C

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Classification

ETIM 8	EC002714 Inductive proximity switch

More

IPF Product Group	203 inductive sensors (diverse)
packaging dimensions	210 x 180 x 10 mm
gross weight	40 g
Customs tariff number	85365019
WEEE number	40951076
Reach-compliant	Yes
RoHS-compliant	Yes

Connection
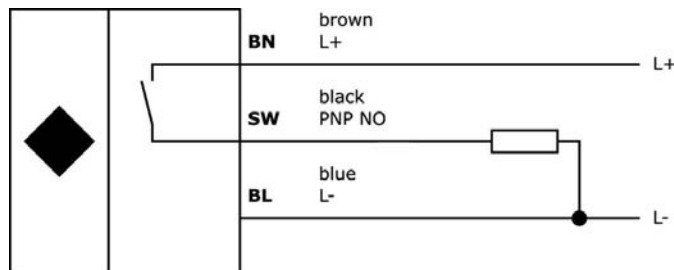
Installation

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.

Any software, drivers or IODD files that may be required to operate your device can be downloaded free of charge from our homepage: www.ipf-electronic.com