

## 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	200 mA
Switching distance	1,5 mm
Supported communication interface	IO-Link
Operating voltage (DC)	10 - 30 V

#### Mechanical features

Alignment of cable entry	radial
Design	Cylinder plain
Diameter	6.5 mm
Cable length	2 m
Cable infeed	axial
Length	16 mm
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
Line diameter	3.5 mm

#### Other features

IO-Link version	V1.0.1
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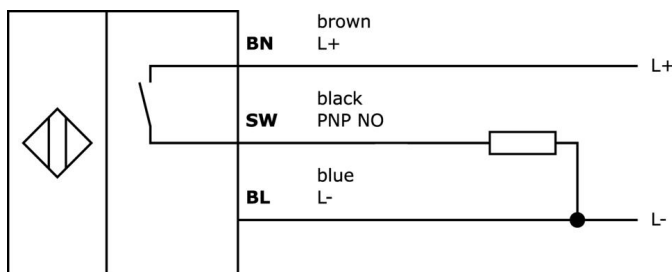
**Classification**

ETIM 8	EC002714 Inductive proximity switch
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**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**



**Extract accessories program**

**VY850001**



Inverter/signal-inversion/turn-off delay, 85x65x18mm, 0.01-10s, 12-30V DC, 1x NC/NO, Clamp 8pin, IP40, Plastic, Plug-in jumpers

**VY850002**



Inverter/signal-inversion/turn-off delay, 85x65x18mm, 0.01-10s, 12-30V DC, 1x NC/NO, Clamp 8pin, IP40, Plastic, Plug-in jumpers

**AY000141**



Plastic sheath, Ø17mm, Inner diameter 10mm, -40-250°C, Glass fiber with silicone rubber, Short-term resistance to weld spatter 1200°C, Tensile strength 400N, Flexible, Flame retardant, yard good

**VY000005**



IO-Link master, 41x24x67mm, IO-Link, M12, With USB interface

**VL250100**



Logic module, 49x80x26mm, AND, 4fold, 10-35V DC, sensor side Clamp, control side Clamp, IP40, Plastic

**VL250120**



Logic module, 49x80x26mm, OR, 4fold, 10-35V DC, sensor side Clamp, control side Clamp, IP40, Plastic

**VY000004**



DC power supply, sensor tester, 120x26x72mm, 18V, 0.04A, Spring clamp connection 4pin, IP20, Plastic

**NG530002**



DC power supply, single-phase, 99x114x22mm, 24V, 0.1A, Number of relay outputs 2, 100-264V AC 50Hz, 100-264V AC 60Hz, Screw connection, IP20, Plastic, Stabilized, Output voltage, pulsed

**AY000009**



accessories sensor, Ø6mm, Aluminum, For sensor 6mm, for Wall mounting, Screw mounting

You can find further accessories on our homepage

**Installation**

Mounting / installation may only be carried out by a qualified electrician!

**Disposal**

WEEE number according to § 6 para. 3  
ElektroG: 40951076

**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.
- / Any software, drivers or IOOD files that may be required to operate your device can be downloaded free of charge from our homepage: [www.ipf-electronic.com](http://www.ipf-electronic.com)