

**IY440120****Inductive sensors • Ring sensors**

sensor inductive, 124mm long, ring 44, 10-30V DC, PNP NO, Connector M12, Plastic ABS, Static



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 M12
Type of switching output	PNP
Rated switching current	200mA
Switching behavior of the output	Static
Operating voltage (DC)	10 - 30V

**Mechanical features**

Design	Ring-shaped
Cable infeed	axial
Length	124mm
Mechanical mounting condition for sensor	non-flush
Ring diameter	44mm
Active area material of sensor	Plastic (ABS)
Housing material	Plastic (ABS)
Ambient temperature	-25 - 70°C

**Optical features**

Resolution, static	9mm
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**Other features**

Feeding technology	Yes
Ambient temperature	-25 - 70°C

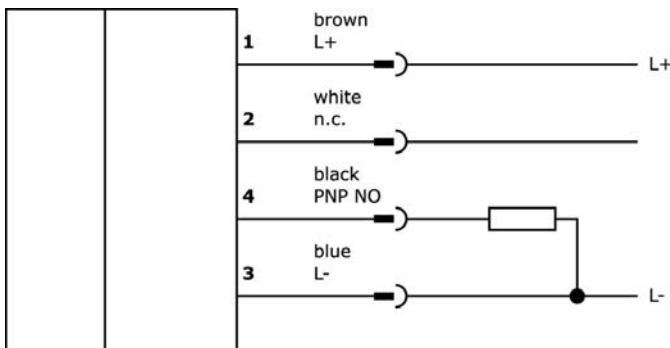
**Classification**

ETIM 8

EC002714 Inductive proximity switch

**More**

IPF Product Group	211 inductive sensors (ring/hose)
packaging dimensions	149 x 124 x 35 mm
gross weight	260 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](http://www.ipf-electronic.com).

Dimensional drawing

