

IY100120

Inductive sensors • Ring sensors

sensor inductive, 60mm long, ring 10, 10-30V DC, PNP NO, Connector M12, IP67, 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
Pulse stretching	10 - 150ms
Switching behavior of the output	Static
Operating voltage (DC)	10 - 30V

Mechanical features

Design	Ring-shaped
Cable infeed	axial
Length	60mm
Mechanical mounting condition for sensor	non-flush
Ring diameter	10mm
Degree of protection (IP)	IP67
Active area material of sensor	Plastic (ABS)
Housing material	Plastic (ABS)
Ambient temperature	-25 - 70°C

Optical features

Resolution, static	2.5mm
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Other features

Feeding technology	Yes
Ambient temperature	-25 - 70°C

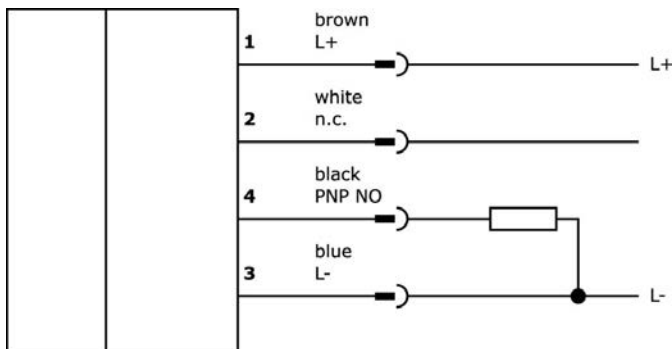
Classification

ETIM 8	EC002714 Inductive proximity switch
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More

IPF Product Group	211 inductive sensors (ring/hose)
packaging dimensions	123 x 77 x 25 mm
gross weight	41 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.