

IB98F004

Inductive sensors • Distance measurement

Sensor Inductive, analog, 16x4,7x8mm, flush, Sn: 0-2, 10-30V DC, M8 cable connector 3pin 0,2m PVC, IP67, zinc diecast nickel-plated (n-pltd)



Inductive proximity switches are contactless sensors. They detect all conductive metals, regardless of whether they are moving or not. The achievable switching distance of the devices depends on the object material and its dimensions. The vibration-insensitive sensors can be approached laterally or frontally. Inductive proximity switches are used for presence detection (e.g. product carriers), positioning (e.g. oven doors), counting (e.g. nuts / screws), speed detection (e.g. on gear wheels), on conveyor systems (e.g. hose feeders) or distance measurements (e.g. press-fit control) of metallic objects.

Electrical features

Type of analog output	0 - 10V
Type of electrical connection	Cable connector M8
Short-circuit protection	Yes
Number of pins	3
Operating voltage (DC)	12 - 30V

Mechanical features

Conductor cross-section	0.08mm ²
Design	Cuboid
Width	8mm
Height	16mm
Cable length	0.2m
Cable infeed	axial
Length	4.7mm
Mechanical mounting condition for sensor	flush
Surface	nickel-plated
Degree of protection (IP)	IP67
Active area material of sensor	Plastic (PBT)
Housing material	Zinc die-cast
Material of cable sheath	Plastic (PVC)
Ambient temperature	10 - 60°C

Other features

Ambient temperature	10 - 60°C
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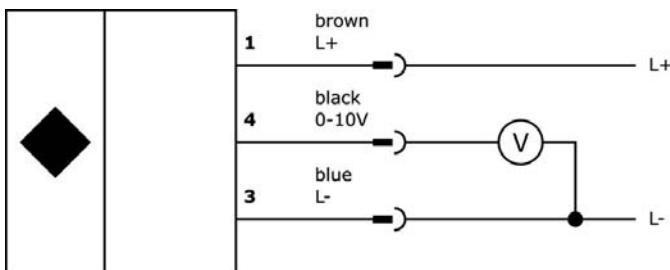
Classification

ETIM 8

EC001818 Inductive distance sensor

More

IPF Product Group	209 inductive sensors (analog)
packaging dimensions	120 x 100 x 9 mm
gross weight	9 g
Customs tariff number	85365019
WEEE number	40951076
OzDS-compliant	Yes
POP-compliant	Yes
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.

Dimensional drawing