

## IB98C798

### Inductive sensors • Distance measurement

sensor inductive, analog, 30x10x18mm, Flush, Sn: 0-4, 15-30V DC, 0-10V/4-20mA, Connector M8 3pin, IP67, Brass Nickel-plated, resolution 0.1µm



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

Resolution	0mm
Type of analog output	0 - 10V   4 - 20mA
Type of electrical connection	Connector M8
Short-circuit protection	No
No-load current	20mA
Number of pins	3
Relative repeat accuracy	0.004%
Voltage drop	7V
Reverse polarity protection	No
Operating voltage (DC)	15 - 30V
Measuring range	0 - 4mm

#### Mechanical features

Design	Cuboid
Width	18mm
Height	30mm
Length	10mm
Mechanical mounting condition for sensor	flush
Surface	nickel-plated
Degree of protection (IP)	IP67
Housing material	Brass
Ambient temperature	0 - 60°C

#### Other features

Ambient temperature	0 - 60°C
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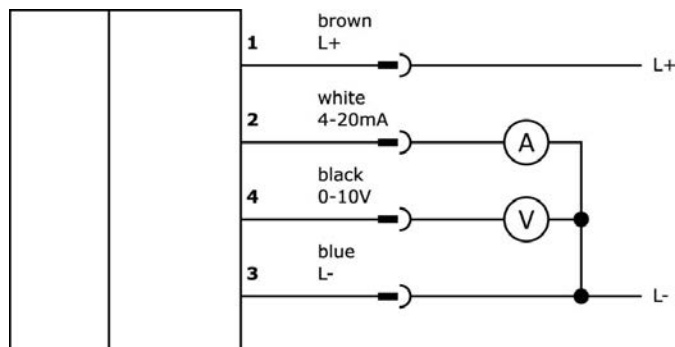
## Classification

ETIM 8	EC001818 Inductive distance sensor
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## More

IPF Product Group	209 inductive sensors (analog)
packaging dimensions	120 x 100 x 20 mm
gross weight	23 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](http://www.ipf-electronic.com).