

IB300026

Inductive sensors • Distance measurement

sensor inductive, analog, M30x1.5 74long, Flush, Sn: 0-20, 15-30V DC, 0-10V/4-20mA, Connector M12, IP67, Brass Chrome-plated

including 2x Nut, 2x Toothed washer



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 analog output	0 - 10V 4 - 20mA
Type of electrical connection	Connector M12
Readiness delay	50ms
Correction factor (aluminum)	0.2
Correction factor (copper)	0.17
Correction factor (brass)	0.3
Correction factor (St37)	1
Correction factor (stainl. steel)	0.65
Short-circuit protection	No
No-load current	5mA
Relative linearity deviation	5%
Residual ripple	10%
Reverse polarity protection	Yes
Absolute repeat accuracy	0.3mm
Operating voltage (DC)	15 - 30V
Measuring range	0 - 20mm

Mechanical features

Number of cores	3
Conductor cross-section	0.14mm ²
Design	Cylinder, screw-thread
Thread pitch	1.5mm
Cable infeed	axial
Length	73.5mm
Mechanical mounting condition for sensor	flush
Surface	Chrome-plated
Degree of protection (IP)	IP67
Active area material of sensor	Plastic (PBTP)
Housing material	Brass
Thread dimension	M30
Ambient temperature	-25 - 70°C

Other features

Ambient temperature	-25 - 70°C
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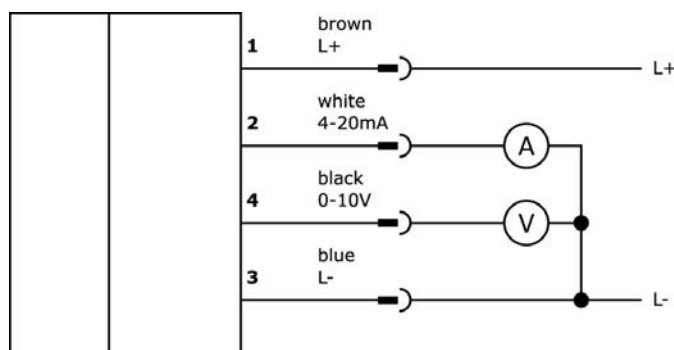
Classification

ETIM 8	EC001818 Inductive distance sensor
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More

IPF Product Group	209 inductive sensors (analog)
packaging dimensions	220 x 180 x 35 mm
gross weight	164 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.

Dimensional drawing

