

IB98F005**Inductive sensors • Increased switching distance**

Sensor Inductive, PG36, 82lang, non-flush, Sn: 25, 10-55V exclusive-OR, PNP diagnostic coverage, M12 connector 4pin, IP67, nickel-plated (n-pltd) brass

including 2x Nut



/ M12-connector 4-pole

**thread PG 36
exclusive-OR switching output**

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

Display	LED display
Type of switching function	Exclusive-OR
Type of electrical connection	Connector M12
Type of switching output	PNP
Rated switching current	400mA
Relative hysteresis	15%
No-load current	10mA
Number of pins	4
Residual ripple	15%
Switching distance	25mm
Switching frequency	100Hz
Switching behavior of the output	Static
Voltage drop	2V
Reverse polarity protection	Yes
Operating voltage (DC)	10 - 55V

Mechanical features

Design	Cylinder, screw-thread
Diameter	47mm
Thread length	66mm
Thread pitch	1.588mm
Cable infeed	axial
Length	82mm
Mechanical mounting condition for sensor	semi-flush
Surface	nickel-plated
Degree of protection (IP)	IP67
Active area material of sensor	Plastic
Housing material	Brass
Thread dimension	PG 36
Ambient temperature	-25 - 70°C

Other features

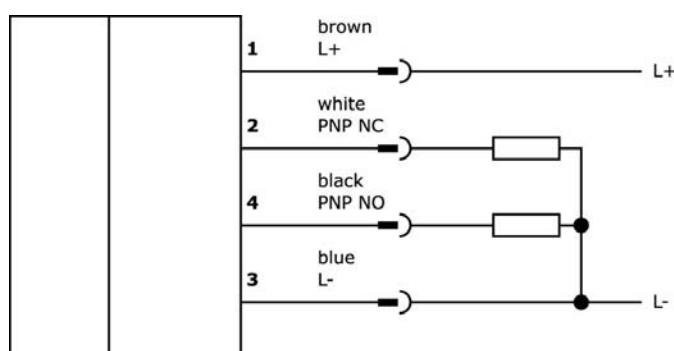
Reference medium / object	Placa de medición estándar FE360 75x75x1mm
Ambient temperature	-25 - 70°C

Classification

ETIM 8

More

IPF Product Group	203 inductive sensors (diverse)
packaging dimensions	160 x 99 x 60 mm
gross weight	376 g
Customs tariff number	85365019
WEEE number	40951076
ATEX-compliant	No
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