

## IN12A592

### Inductive sensors • Increased switching distance

sensor inductive, M12x1 45long, Non-flush, Sn: 6, 10-30V DC, PNP Anticoincidence, Connector M12, IP67, Brass Nickel-plated

including 2x Nut



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 switching function	Exclusive-OR
Type of electrical connection	Connector M12
Type of switching output	PNP
Rated switching current	200mA
No-load current	10mA
Switching distance	6mm
Switching frequency	400Hz
Voltage drop	2.4V
Operating voltage (DC)	10 - 30V

#### Mechanical features

Alignment of cable entry	axial
Design	Cylinder, screw-thread
Thread length	39mm
Thread pitch	1mm
Cable infeed	axial
Length	45mm
Mechanical mounting condition for sensor	non-flush
Surface	nickel-plated
Degree of protection (IP)	IP67
Housing material	Brass
Thread dimension	M12
Ambient temperature	-25 - 70°C

#### Other features

Reference medium / object	Standard measuring plate FE360 12x12x1mm
Ambient temperature	-25 - 70°C

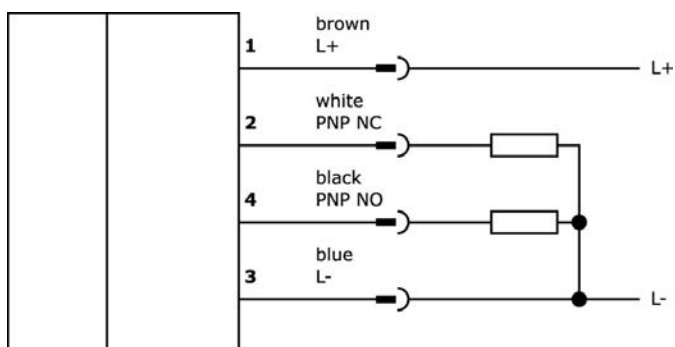
## Classification

ETIM 8	EC002714 Inductive proximity switch
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## More

IPF Product Group	203 inductive sensors (diverse)
packaging dimensions	120 x 100 x 17 mm
gross weight	30 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).