

## IB087000

### INDUCTIVE SENSORS • NORM SWITCHING DISTANCE

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.



#### MECHANICAL FEATURES

Active area material of sensor	PBT
Ambient temperature	-25 °C ... 60 °C
Cable length	2 m
Degree of protection (IP)	IP67
Housing design	Cylinder, screw-thread
Housing material	Stainless steel 1.4305
Mechanical mounting condition for sensor	Flush
Number of cores	3
Pressure-proof	-
Sensor length	30 mm
Thread pitch	1 mm
Thread size, metric	8

#### ELECTRICAL FEATURES

Cascadable	-
Connection to amplifier	+
Max. output current	2.1 mA
Suitable for safety functions	-
Supply voltage	8 V ... 8 V
Switching distance	2 mm
Type of electrical connection	Cable
Type of switching function	Amplifier
Type of switching output	NAMUR
Voltage type	DC
With monitoring function of downstream devices	-

#### Other

Packaging dimensions	100mm x 0.0mm x 120mm
Shipping weight	0.04kg
Tariff code	85365019

## Classification

ipf product group	203
eClass 8.0	27270101
eClass 9.0	27270101
eClass 9.1	27270101
ETIM-5.0	EC002714
ETIM-6.0	EC002714
ETIM-7.0	EC002714

## Connection

## Dimensional drawing

## Installation



Mounting / installation may only be carried out by a qualified electrician!

## Disposal



## Software

Please download the software or driver required for operating your new device on our homepage: [www.ipf.de](http://www.ipf.de)

## 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. LED lighting systems can generate intensive UV radiation, which can damage your eyes in case of improper use. The manufacturer cannot be held responsible for damages that result from improper use or connection.