

## IN30A603

### 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 DATA

Active area material of sensor	PBTP
Ambient temperature	-25 °C ... 70 °C
Degree of protection (IP)	IP67
Housing coating	Nickel-plated
Housing design	Cylinder, screw-thread
Housing material	Brass
Mechanical mounting condition for sensor	Non-flush
Number of wires	2
Pressure-proof	No
Sensor length	69 mm
Thread pitch	1.5 mm
Thread size, metric	30

#### ELECTRICAL DATA

Cascadable	No
Hysteresis	20 %
IO-Link compatible	No
Max. output current	300 mA
Min. output current	2 mA
No-load current	5 mA
Norm measuring plate	45x45x1
Suitable for safety functions	No
Supply voltage	20 V ... 265 V
Switching distance	15 mm
Switching frequency	25 Hz
Type of electrical connection	Connector M12
Type of switching function	Normally open contact
Type of switching output	Two-wire
Voltage drop	8 V
Voltage type	AC/DC
With LED display	Yes

## ELECTRICAL DATA

With monitoring function of downstream devices

No

## DIMENSIONAL DRAWING

### 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!