

IN800000**INDUCTIVE SENSORS • DISTANCE MEASUREMENT**

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

| | |
|--|----------------|
| Ambient temperature | 0 °C ... 60 °C |
| Degree of protection (IP) | IP67 |
| Housing coating | Nickel-plated |
| Housing design | Cylinder plain |
| Housing material | Brass |
| Mechanical mounting condition for sensor | Flush |
| Sensor diameter | 80 mm |
| Sensor length | 40 mm |

ELECTRICAL DATA

| | |
|----------------------------------|----------------|
| Distance measuring sensors | Yes |
| Load resistance (voltage output) | 1000 kOhm |
| Measuring range length | 0 mm ... 30 mm |
| Operating voltage | 18 V ... 27 V |
| Reverse polarity protection | Yes |
| Short-circuit-proof | Yes |
| Supply voltage | 18 V ... 27 V |
| Type of analog output | 0 V ... 10 V |
| Type of electrical connection | Connector M8 |
| Voltage type | DC |

OTHER DATA

| | |
|------------------------------|-------|
| Relative linearity deviation | 100 % |
|------------------------------|-------|

DIMENSIONAL DRAWING**INSTALLATION****DISPOSAL**



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

**SAFETY WARNINGS**

Before initial operation, please make sure to follow all safety instructions that may be provided in the product information!