

## IB265100

### 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	PA 12
Ambient temperature (MAX)	70 °C
Ambient temperature (MIN)	-25 °C
Cable length	2 m
Degree of protection (IP)	IP67
Housing design	Cuboid
Housing material	PA 12
Material of cable sheath	PVC
Mechanical mounting condition for sensor	Flush
Pressure-proof	No
Sensor height	40 mm
Sensor length	26 mm
Sensor width	12 mm
Wire cross section	0.24 mm <sup>2</sup>

#### ELECTRICAL DATA

Cascadable	No
Hysteresis	15 %
Max. output current	130 mA
Min. output current	5 mA
No-load current	1.7 mA
Relative repeat accuracy	5 %
Suitable for safety functions	No
Switching distance	4 mm
Switching frequency	400 Hz
Type of electrical connection	Cable
Type of switching function	Normally open contact
Type of switching output	Two-wire
Voltage drop	12 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!

Never use these devices in applications where the safety of a person depends on their functionality.