

## IB06C294

### 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	PBT
Ambient temperature	-25 °C ... 70 °C
Degree of protection (IP)	IP67
Housing coating	Nickel-plated
Housing design	Cylinder plain
Housing material	Brass
Material of cable sheath	PUR (Polyurethane)
Mechanical mounting condition for sensor	Flush
Pressure-proof	No
Sensor diameter	6.5 mm
Sensor length	25 mm

#### ELECTRICAL DATA

Cascadable	No
Connection to amplifier	Yes
IO-Link compatible	No
Max. output current	2.1 mA
Suitable for safety functions	No
Supply voltage	8 V ... 8 V
Switching distance	1.5 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	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!