

## IN121200

### 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.



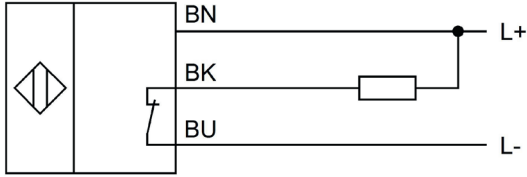
#### MECHANICAL DATA

Active area material of sensor	PBT
Ambient temperature	-25 °C ... 70 °C
Degree of protection (IP)	IP67
Housing coating	Nickel-plated
Housing design	Cylinder, screw-thread
Housing material	Brass
Material of cable sheath	PVC
Mechanical mounting condition for sensor	Non-flush
Pressure-proof	No
Sensor length	50 mm
Thread pitch	1 mm
Thread size, metric	12

#### ELECTRICAL DATA

Cascadable	No
IO-Link compatible	No
Max. output current	200 mA
Suitable for safety functions	No
Supply voltage	10 V ... 30 V
Switching distance	6 mm
Type of electrical connection	Cable
Type of switching function	Breaker contact
Type of switching output	NPN
Voltage type	DC
With monitoring function of downstream devices	No

## CONNECTION



**Colors:** BN (brown), BU (blue), BK (black)

**Functions:** BN = L+, BU = L-, BK = NPN NC

## 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!