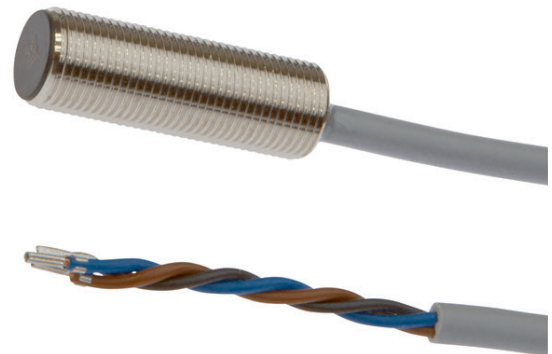


Inductive proximity switches are contact-free sensors. They detect all conductive metals, regardless of whether they move or not. The achievable sensing range of the devices depends on the object material and its dimensions. The vibration-resistant sensors can be approached laterally or frontally. Inductive 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.

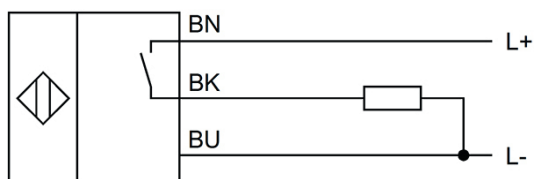


## TECHNICAL DATA

Devices for hose mounting	NO
Feeding technology	NO
Harsh environmental conditions	NO
Hygienic and wet area	NO
Metallic sensor surface	NO
Oil and cooling lubricants	NO
Ring-shaped sensors	NO
Welding-proof sensors	NO
Active area material of sensor	PBT
Ambient temperature (min/max)	-25 °C / 70 °C
Ambient temperatures < -25°C	NO
Atmospheric-change resistant (temperature cycle)	NO
Cable length	2 m
Degree of protection (IP)	IP67
High-pressure-proof sensors	NO
Housing coating	Nickel-plated
Housing design	Cylinder, screw-thread
Housing material	Brass
Housing material	Metal
Increased ambient temperatures > 80°C	NO
Material independent sensors (factor 1)	NO
Material of cable sheath	PVC
Mechanical mounting condition for sensor	Concise
Number of wires	3
Pressure-proof	NO
Sensor diameter	12 mm
Sensor length	35 mm
Teflon housing	NO
Thread length	35 mm
Thread pitch	1 mm
Thread size, metric	12

**TECHNICAL DATA**

Wire cross section	0.14 mm <sup>2</sup>
2x increased switching distance	NO
3x increased switching distance	NO
4x increased switching distance	NO
Cascadable	NO
Connection to amplifier	NO
Correction factor (aluminum)	0.3
Correction factor (brass)	0.4
Correction factor (copper)	0.2
Correction factor (stainless steel)	0.7
Correction factor (steel)	1
Distance measuring sensors	NO
Increased switching distance	NO
Max. output current	200 mA
Max. output current at safe output	200 mA
No-load current	15 mA
Norm measuring plate	12x12x1
Number of semiconductor outputs with signaling function	1
Operating voltage (min/max)	10 V / 30 V
Rated control supply voltage $U_s$ at DC (min/max)	10 V / 30 V
Reverse polarity protection	YES
Short-circuit-proof	YES
Suitable for safety functions	NO
Supply voltage (min/max)	10 V / 30 V
Switching behavior of the output	Static
Switching distance	4 mm
Switching frequency	800 Hz
Type of actuation	Metallic Target
Type of electrical connection	Cable
Type of switching function	Normally open contact
Type of switching output	PNP
Voltage type	DC
With LED display	YES
With LED display (functional reserve)	NO
With monitoring function of downstream devices	NO
Areas inquiry	NO
End position sensing, hydraulic cylinder	NO
Welding area	NO

**CONNECTION**


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

**Functions:** BN = L+, BU = L-, BK = PNP NO

**DIMENSIONAL DRAWING**
