

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
Ambient temperature (min/max)	-25 °C / 70 °C
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
Increased ambient temperatures > 80°C	NO
Material of cable sheath	PUR (Polyurethane)
Mechanical mounting condition for sensor	Concise
Sensor length	50 mm
Thread pitch	1 mm
Thread size, metric	12
Distance measuring sensors	YES
Increased switching distance	NO
Magnetic field resistant	NO
Measuring range length (min/max)	0.25 mm / 3 mm
No-load current	10 mA
Operating voltage (min/max)	11 V / 35 V
Reverse polarity protection	YES
Short-circuit-proof	YES
Supply voltage (min/max)	11 V / 35 V

TECHNICAL DATA

Type of analog output	1 ... 9V
Type of electrical connection	Cable
Voltage type	DC

DIMENSIONAL DRAWING