

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

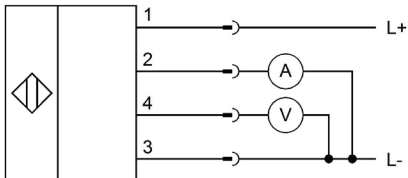
Devices for hose mounting	NO
Feeding technology	NO
Hygienic and wet area	NO
Metallic sensor surface	NO
Oil and lubricating coolants	NO
Ring-shaped sensors	NO
Rough ambient conditions	NO
Welding proof sensors	NO
Ambient temperature (min/max)	-25°C / 70°C
Cable length	2m
Coating housing	Chromium-plated
Construction type housing	Cylinder, screw-thread
Degree of protection (IP)	IP67
High-pressure resistant sensors	NO
Increased ambient temperatures > 80°C	NO
Length of sensor	60mm
Material housing	Brass
Material of cable sheath	PUR (Polyurethane)
Mechanical mounting condition for sensor	Concise
Pitch thread	1mm
Sensors uneffected by atmospheric changes (temperature cycle)	NO
Thread size metric (M..)	12
Distance measuring sensors	YES
Increased sensing range	NO
Magnetic field resistant	NO
Measuring range length (min/max)	0mm / 6mm
No load current	10mA
Operating voltage (min/max)	18V / 30V
Reverse polarity protection	YES
Short-circuit-proof	YES
Supply voltage (min/max)	18V / 30V

inductive sensors (analog)

TECHNICAL DATA

Type of analogy output	0 V ... 10 V / 4 mA ... 20 mA
Type of electric connection	Connector M12
Voltage type	DC

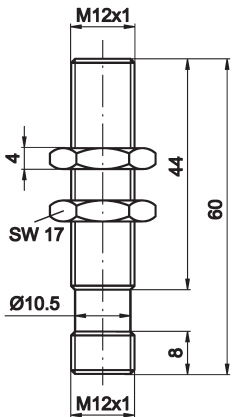
CONNECTION



Colors: 1 = BN (brown), 2 = WH (white), 3 = BU (blue), 4 = BK (black)

Functions: 1 = L+, 2 = 4-20mA, 3 = L-, 4 = 0-10V

DIMENSIONAL DRAWING



ADDITIONAL INFORMATION