

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

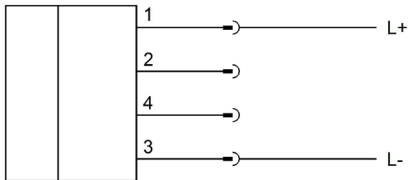
Devices for hose mounting	NO
Feeding technology	NO
Hygienic and wet area	NO
Metallic sensor surface	NO
Oil and lubricating coolants	NO
Ring-shaped sensors	NO
Rough ambient conditions	NO
Welding proof sensors	NO
Ambient temperature (min/max)	0 °C / 230 °C
Ambient temperatures > -25°C	NO
Cable length	3 m
Compression-resistant	NO
Construction type housing	Cylinder, screw-thread
Degree of protection (IP)	IP50
High-pressure resistant sensors	NO
Increased ambient temperatures > 80°C	YES
Length of sensor	70 mm
Material active area of sensor	Vectra®
Material housing	Metal
Material housing	Stainless steel 1.4305
Material independent sensors (factor 1)	NO
Material of cable sheath	PTFE
Mechanical mounting condition for sensor	Concise
Pitch thread	1.5 mm
Sensors uneffected by atmospheric changes (temperature cycle)	NO
Teflon housing	NO
Thread length	60 mm
Thread size metric (M..)	30
Cascadable	NO
Connection to an amplifier	YES
Distance measuring sensors	NO

inductive sensors (high temperature)

TECHNICAL DATA

Double sensing range	NO
Hysteresis	15 %
Increased sensing range	NO
Norm trimming plate	30x30x1
Quadruple sensing range	NO
Reverse polarity protection	NO
Short-circuit-proof	NO
Suited for safety functions	NO
Switching distance	10 mm
Switching frequency	200 Hz
Triple sensing range	NO
Type of electric connection	Connector M12
Type of switch function	Amplifier
Type of switching output	Amplifier
Voltage type	DC
With LED indication	NO
With monitoring function downstream switching devices	NO
Areas inquiry	NO
End position inquiry hydraulic cylinder	NO
Welding areas	NO

CONNECTION



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

Functions: 1 = L+, 2 = n. c., 3 = L-, 4 = n. c.

DIMENSIONAL DRAWING

