

inductive sensors (unaffected by atmospheric changes)

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.

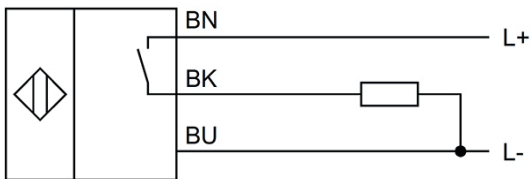

TECHNICAL DATA

Devices for hose mounting	NO
Feeding technology	NO
Hygienic and wet area	YES
Metallic sensor surface	NO
Oil and lubricating coolants	YES
Ring-shaped sensors	NO
Rough ambient conditions	NO
Welding proof sensors	NO
Ambient temperature (min/max)	-25°C / 120°C
Ambient temperatures > -25°C	NO
Cable length	2m
Compression-resistant	NO
Compressive strength	10bar
Construction type housing	Cylinder, screw-thread
Core cross section	0.34mm ²
Degree of protection (IP)	IP69K
High-pressure resistant sensors	NO
Increased ambient temperatures > 80°C	YES
Length of sensor	67mm
Material active area of sensor	PTFE
Material housing	Stainless steel 1.4571
Material housing	Metal
Material independent sensors (factor 1)	NO
Material of cable sheath	PTFE
Mechanical mounting condition for sensor	Not flat
Number of cores	3
Pitch thread	1mm
Sensors unaffected by atmospheric changes (temperature cycle)	YES
Teflon housing	NO
Thread length	35mm
Thread size metric (M..)	12

TECHNICAL DATA

Cascadable	NO
Connection to an amplifier	NO
Distance measuring sensors	NO
Double sensing range	NO
Hysteresis	10%
Increased sensing range	NO
Max. output current	200mA
No load current	4mA
Norm trimming plate	12x12x1
Quadruple sensing range	NO
Rated control supply voltage U_s at DC (min/max)	10V / 30V
Relative repeat accuracy	3%
Residual ripple	10%
Reverse polarity protection	YES
Short-circuit-proof	YES
Suited for safety functions	NO
Supply voltage (min/max)	10V / 30V
Switching distance	4mm
Switching frequency	1000Hz
Triple sensing range	NO
Type of electric connection	Cable
Type of switch function	Normally open contact
Type of switching output	PNP
Voltage drop	2V
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

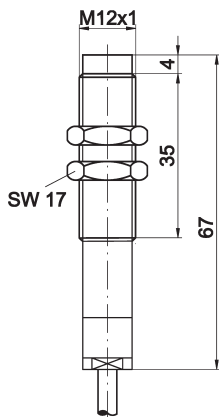
CONNECTION



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

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

DIMENSIONAL DRAWING



ADDITIONAL INFORMATION

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