IB125102

INDUCTIVE SENSORS • NORM SWITCHING DISTANCE

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.

MECHANICAL DATA

Active area material of sensor	PBT
Ambient temperature (MAX)	70 °C
Ambient temperature (MIN)	-25 °C
Cable length	10 m
Degree of protection (IP)	IP67
Housing coating	Nickel-plated
Housing design	Cylinder, screw-thread
Housing material	Brass
Material of cable sheath	PVC
Mechanical mounting condition for sensor	Flush
Number of wires	2
Pressure-proof	No
Sensor length	70 mm
Thread length	60 mm
Thread pitch	1 mm
Thread size, metric	12

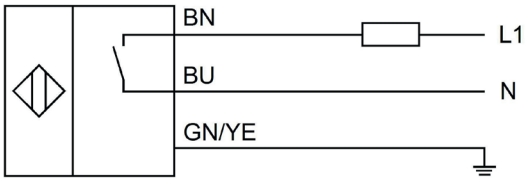
ELECTRICAL DATA

Cascadable	No
Hysteresis	15 %
Max. output current	350 mA
No-load current	2 mA
Norm measuring plate	12x12x1
Relative repeat accuracy	10 %
Suitable for safety functions	No
Supply voltage (MAX)	250 V
Supply voltage (MIN)	20 V
Switching distance	2 mm
Switching frequency	30 Hz
Type of electrical connection	Cable
Type of switching function	Normally open contact

ELECTRICAL DATA

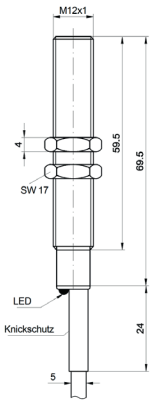
Type of switching output	Two-wire
Voltage drop	5 V
Voltage type	AC/DC
With monitoring function of downstream devices	No

CONNECTION



Colors: BN (brown), BU (blue), GN/YE (green/yellow)
Functions: BN = L+, BU = L-, GN/YE = PE

DIMENSIONAL DRAWING



INSTALLATION

Mounting / Installation may only be carried out by a qualified electrician!

DISPOSAL

SAFETY WARNINGS

Before initial operation, please make sure to follow all safety instructions that may be provided in the product information!

Never use these devices in applications where the safety of a person depends on their functionality.

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