

IB440423

INDUCTIVE SENSORS • ENLARGED 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.



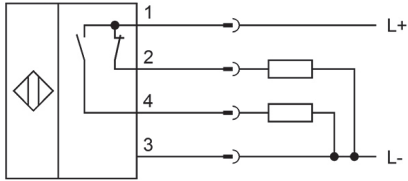
MECHANICAL DATA

Active area material of sensor	PBTP
Ambient temperature	-25 °C ... 85 °C
Degree of protection (IP)	IP67
Housing design	Cuboid
Housing material	PBTP
Increased ambient temperatures > 80°C	Yes
Mechanical mounting condition for sensor	Flush
Pressure-proof	No
Sensor height	40 mm
Sensor length	62 mm
Sensor width	40 mm

ELECTRICAL DATA

Cascadable	No
Hysteresis	15 %
IO-Link compatible	No
Max. output current	200 mA
No-load current	30 mA
Norm measuring plate	60x60x1
Relative repeat accuracy	3.75 %
Reverse polarity protection	Yes
Short-circuit-proof	Yes
Suitable for safety functions	No
Switching distance	20 mm
Switching frequency	30 Hz
Type of electrical connection	Connector M12
Type of switching function	Anticoincidence
Type of switching output	PNP
Voltage drop	2.5 V
Voltage type	DC
With monitoring function of downstream devices	No

CONNECTION



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

Functions: 1 = L+, 2 = PNP NC, 3 = L-, 4 = PNP NO

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!