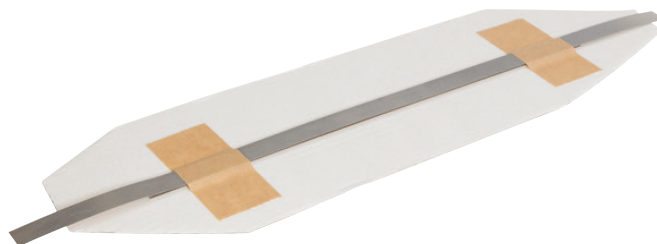


IY06C846

INDUCTIVE SENSORS • RING SENSORS

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	PA 6.6 (synthetic)
Ambient temperature	-25 °C ... 70 °C
Degree of protection (IP)	IP54
Housing design	Ring-shaped
Housing material	PA 6.6 (synthetic)
Mechanical mounting condition for sensor	Non-flush
Pressure-proof	No
Ring diameter	6.1 mm
Sensor height	28 mm
Sensor length	65 mm
Sensor width	32 mm

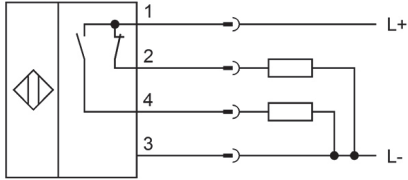
ELECTRICAL DATA

Cascadable	No
IO-Link compatible	No
Max. output current	200 mA
Min. object size (steel ball)	0.4 mm
No-load current	15 mA
Number of pins	4
Suitable for safety functions	No
Supply voltage	11 V ... 30 V
Switching behavior of the output	Dynamic
Switching distance	6 mm
Type of electrical connection	Connector M12
Type of switching function	Anticoincidence
Type of switching output	PNP
Voltage drop	2.4 V
Voltage type	DC
With LED display	Yes
With monitoring function of downstream devices	No

OTHER DATA

Feeding technology	Yes
Ring-shaped sensors	Yes

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!