

IY98A691**INDUCTIVE SENSORS • AREA**

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

Ambient temperature	-25 °C ... 70 °C
Cable length	3 m
Degree of protection (IP)	IP67
Housing design	Ring-shaped
Housing material	Aluminum / PTB
Material of cable sheath	PUR (Polyurethane)
Mechanical mounting condition for sensor	Non-flush
Pressure-proof	No
Sensor length	137 mm

ELECTRICAL DATA

Cascadable	No
IO-Link compatible	No
Max. output current	2.1 mA
No-load current	100 mA
Suitable for safety functions	No
Supply voltage	24 V ... 24 V
Switching distance	0 mm
Type of electrical connection	Cable
Type of switching function	Amplifier
Type of switching output	Other
Voltage type	DC
With LED display	Yes
With monitoring function of downstream devices	No

OTHER DATA

Feeding technology	Yes
Ring-shaped sensors	Yes

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!