

## IV98E168

### INDUCTIVE SENSORS • SWITCHING AMPLIFIERS

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

Degree of protection (IP)	IP20
Device design	Built-in device
Housing design	Cuboid
Housing material	Plastic
Mounting method	DIN rail

#### ELECTRICAL DATA

Amplifier for inductive sensors	Yes
Galvanic isolation between input and output	No
Galvanic isolation between inputs	No
Galvanic isolation between supply voltage and all other current circuits	No
Inherently safe according to EN 60947-5-6 NAMUR	No
Malfunction message output	No
Number of channels	1
Number of output circuits, transistor npn	1
Number of output circuits, transistor pnp	1
Output circuit, relay change-over contact	1
Rated operation frequency	0 Hz ... 60 Hz
Rated supply voltage at AC	230 V ... 230 V
Rated supply voltage at DC	24 V ... 24 V
Suitable for safety functions	No
Switching current	5 A
Switching voltage	250 V
Type of electrical connection	Clamp
Type of switching function	Change-over contact (NO/NC)
Type of voltage supply	Active
With LED display	Yes

#### OTHER DATA

Operating temperature	-10 °C ... 50 °C
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**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!