IV98C463

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)	IP65
Depth	300 mm
Device design	Field device
Height	130 mm
Housing design	Cuboid
Housing material	Metal
Length	300 mm
Mounting method	DIN rail
Width	240 mm

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	Yes
No-load current	60 mA
Output circuit, relay change-over contact	2
Rated supply voltage at AC (MIN)	115 V
Rated supply voltage at DC (MAX)	230 V
Rated supply voltage at DC (MIN)	230 V
Suitable for safety functions	No
Switching capacity	60 VA
Switching current	4 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 (MAX)	60 °C
Operating temperature (MIN)	-20 °C

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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