IPF ELECTRONIC

Data sheet **IV991196** • Subject to alteration! Version: 02.12.2019

IV991196
INDUCTIVE SENSORS • ENLARGED AMBIENT TEMPERATURE

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 FEATURES

Degree of protection (IP)	IP20
Device design	Field device
Height	75 mm
Housing design	Cuboid
Housing material	Plastic
Length	99 mm
Mounting method	DIN rail
Width	22.5 mm

ELECTRICAL FEATURES

Amplifier for inductive sensors	+
Galvanic isolation between input and output	-
Galvanic isolation between inputs	-
Galvanic isolation between supply voltage and all other current circuits	-
Inherently safe according to EN 60947-5-6 NAMUR	-
Malfunction message output	-
Number of output circuits, transistor pnp	1
Rated supply voltage at DC	10 V ... 35 V
Suitable for safety functions	-
Switching capacity	7.2 VA
Switching current	0.3 A
Switching voltage	35 V
Turn-on delay	100 ms
Type of electrical connection	Clamps
Type of switching function	Normally open contact (NO)
Type of switching output	PNP
Type of voltage supply	Active
Voltage type	DC
With LED display	+

OTHER FEATURES

Operating temperature	-25 °C ... 70 °C

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Other

Packaging dimensions	77.0mm x 25.0mm x 123.0mm
Shipping weight	0.1kg
Tariff code	85365019

Classification

ipf product group	700
eClass 8.0	27210121
eClass 9.0	27210121
eClass 9.1	27210121
ETIM-5.0	EC001485
ETIM-6.0	EC001485
ETIM-7.0	EC001485

Connection

Dimensional drawing
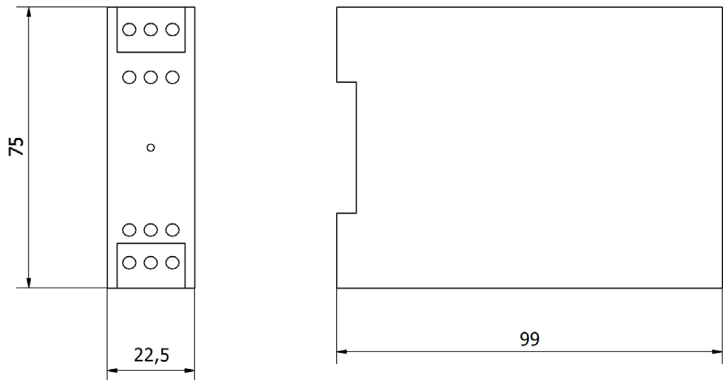
Installation

Mounting / installation may only be carried out by a qualified electrician!

Disposal

Software
Please download the software or driver required for operating your new device on our homepage: www.ipf.de

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.
LED lighting systems can generate intensive UV radiation, which can damage your eyes in case of improper use. The manufacturer cannot be held responsible for damages that result from improper use or connection.