

## 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 FEATURES

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 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	+
No-load current	60 mA
Output circuit, relay change-over contact	2
Rated supply voltage at AC	115 V ... 230 V
Suitable for safety functions	-
Switching capacity	60 VA
Switching current	4 A
Switching voltage	250 V
Type of electrical connection	Clamps
Type of switching function	Change-over contact (NO/NC)
Type of voltage supply	Active
Voltage type	AC
With LED display	+

#### OTHER FEATURES

Operating temperature	-20 °C ... 60 °C
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## Other

Packaging dimensions	260mm x 170mm x 360mm
Shipping weight	5.95kg
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](http://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.