

## IV850700 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
Depth	85 mm
Device design	Field device
Height	58 mm
Housing design	Cuboid
Housing material	Plastic
Length	85 mm
Mounting method	DIN rail
Width	17.8 mm

### ELECTRICAL FEATURES

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	25 mA
Number of output circuits, transistor pnp	2
Power consumption	0.6 W
Rated supply voltage at DC	10 V ... 30 V
Reverse polarity protection	+
Short-circuit protection	+
Suitable for safety functions	-
Switching current	0.2 A
Switching frequency	1000 Hz
Switching voltage	30 V
Type of electrical connection	Clamps
Type of switching function	Normally open/normally closed
Type of voltage supply	Active
Voltage drop	3 V
Voltage type	DC
With LED display	+

## OTHER FEATURES

Operating temperature	-25 °C ... 75 °C
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### Other

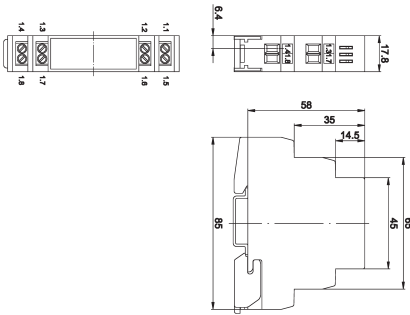
Packaging dimensions	77.0mm x 25.0mm x 123.0mm
Shipping weight	0.07kg
Tariff code	85365019

### Classification

ipf product group	202
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.