

IV56E205-S

Inductive sensors • Switching amplifier for high temperature sensors

amplifier inductive, High-temperature, 75x99x22mm, 10-35V DC, NO (NO), Clamp, IP20, Plastic, With LED display



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.

Electrical features

Number of channels	1
Display	LED display
Type of switching function	Normally open contact (NO)
Type of electrical connection	Clamped terminal connection
Type of switching output	PNP
Rated switching current	300 mA
Switching capacity	7.2 VA
Switching voltage	35 V
Operating voltage (DC)	10 - 35 V
Amplifier for inductive sensors	Yes

Mechanical features

Design	Cuboid
Width	22.5 mm
Height	75 mm
Length	99 mm
Mounting method	Top hat rail
Degree of protection (IP)	IP20
Housing material	Plastic
Ambient temperature	-25 - 70 °C

Other features

Version	Built-in device
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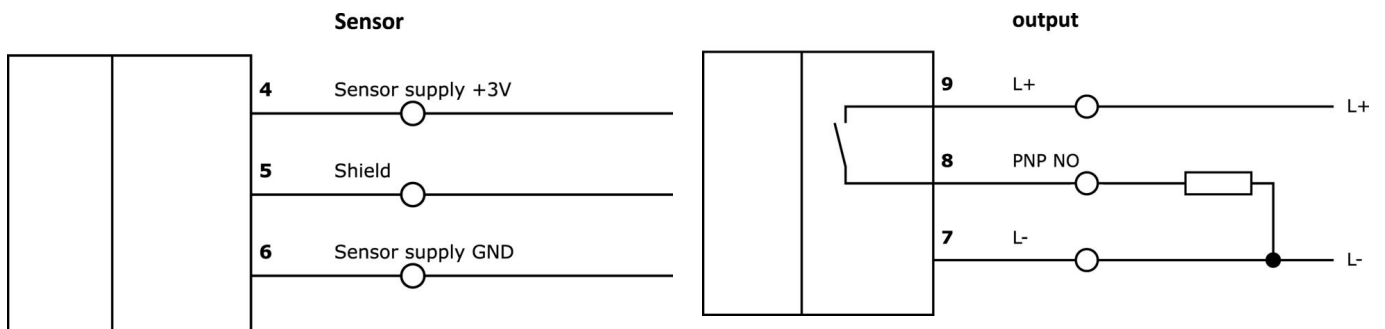
Classification

ETIM 8	EC001485 Isolation amplifier
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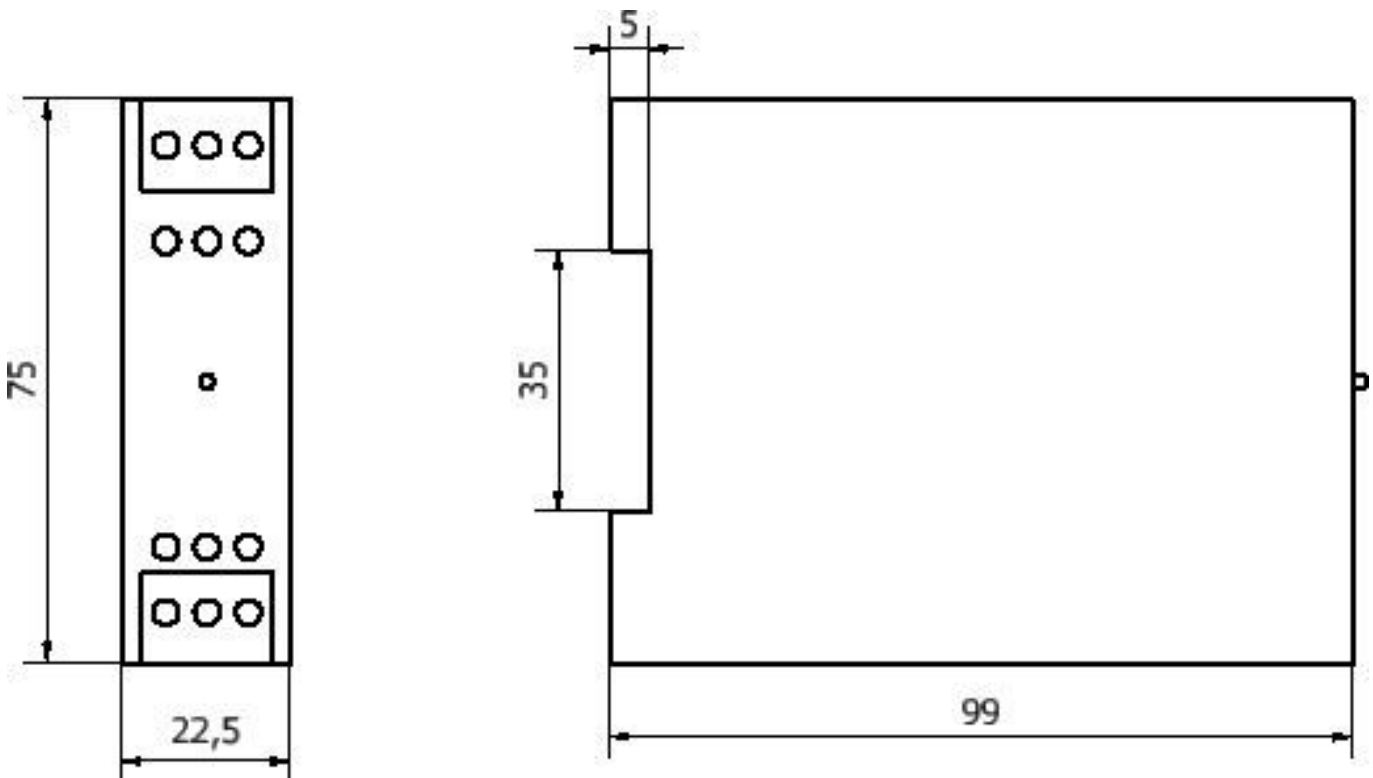
More

IPF Product Group	700 special devices
packaging dimensions	149 x 124 x 35 mm
gross weight	119 g
Customs tariff number	85365019
WEEE number	40951076
Reach-compliant	Yes
RoHS-compliant	Yes

Connection



Dimensional drawing



Installation

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



Disposal

WEEE number according to § 6 para. 3 ElektroG: 40951076

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.