

IV98F001

Inductive sensors • Switching amplifiers

Inductive amplifier, 260x160x93mm, 24V DC, change-over contact (NO/NC), terminals, IP67, aluminum, LED



Inductive proximity switches are contactless sensors. They detect all conductive metals, regardless of whether they are moving or not. The switching distance that the devices can achieve depends on the object material and its dimensions. The vibration-resistant sensors can be approached laterally or from the front. Inductive proximity switches are used for presence detection (e.g. goods carriers), positioning (e.g. oven flaps), counting (e.g. nuts / screws), speed detection (e.g. on gear wheels), on conveyor systems (e.g. hose feeds) or distance measurement (e.g. press-fit inspection) of metallic objects.

Electrical features

Number of contacts as change-over contact	1
Display	LED display
Type of switching function	Change-over contact (NO/NC)
Type of electrical connection	Clamped terminal connection
Type of switching output	Relay contact
Rated switching current	2000 mA
No-load current	250 mA
Switching capacity	125 VA
Switching voltage AC	250 V
Switching voltage DC	220 V
Operating voltage (DC)	21,6 - 26,4 V
Amplifier for inductive sensors	Yes

Mechanical features

Design	Cuboid
Width	160 mm
Height	93 mm
Length	260 mm
Mounting method	Surface mounted (plaster)
Degree of protection (IP)	IP67
Housing material	Aluminum
Ambient temperature	-25 - 60 °C

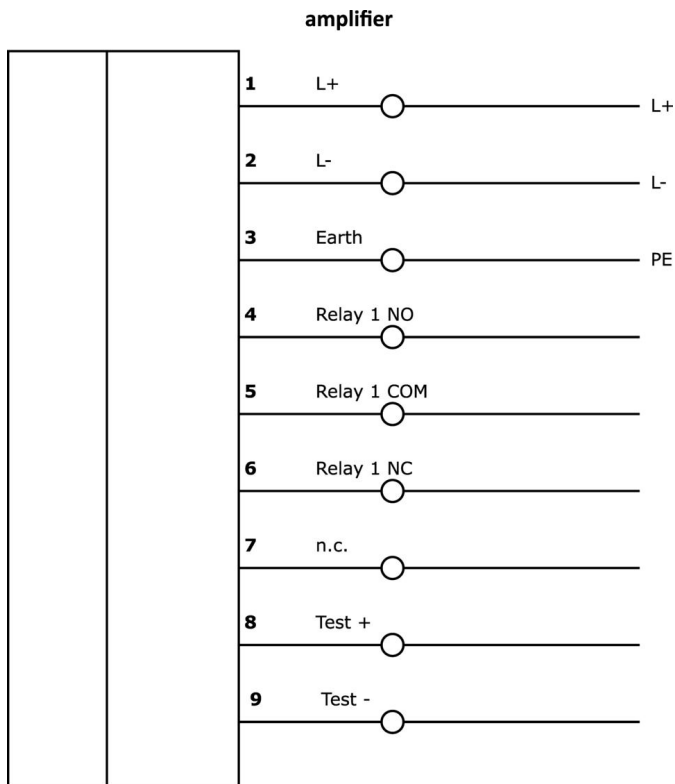
Classification

ETIM 8

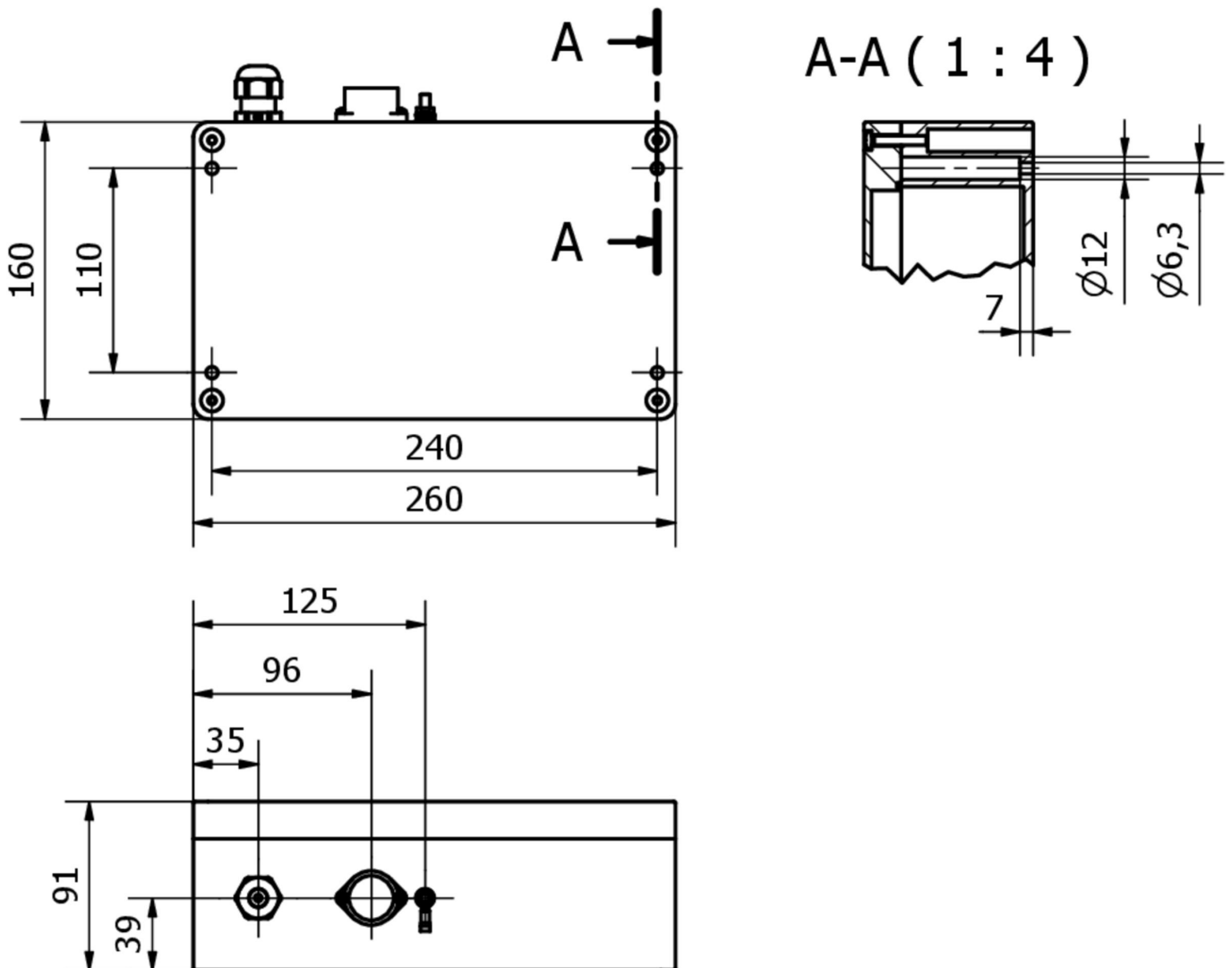
More

IPF Product Group	203 inductive sensors (diverse)
packaging dimensions	355 x 255 x 167 mm
gross weight	3760 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.