

# AB000010

## Process Data Analysis • Accessories

Accessories IoT gateway, expansion module, 25x139x110mm, 2x IEPE vibration sensors, 2x digital inputs/triggers, terminal, IP20



The AB000010 is used to connect vibration/acoustic sensors to an IoT gateway. The module is capable of evaluating 2 sensors with a sampling frequency of up to 48 kHz and a resolution of 24 bits.

### Electrical features

Number of channels	2
Display	LED display
Type of analog input	IEPE 0.5 to 10,000Hz
Type of electrical connection	Clamped terminal connection
Digital resolution	24 bit
Max. line length	100 m
RAM	358kB & 128kB fast RAM   2x 512kB Dualflash
Processor	ARM Cortex-M7 CPU ARM®
Supported communication interface	Modbus TCP   MQTT
Operating voltage (DC)	21,6 - 26,4 V
Measurement frequency	48000000 Hz
ardSOCA_ElektrischerAnschluss	Terminal connection
ardSOCA_Betriebsspannung	22-26VDC

### Mechanical features

Width	25 mm
Height	139 mm
Storage temperature	-40 - 85 °C
Length	109 mm
Mounting method	Top hat rail
Degree of protection (IP)	IP20
Housing material	Nylon 6 with 30% glass fibers
Ambient temperature	0 - 50 °C
ardSOCA_Abmessungen	109x25x139mm

### Classification

ETIM 8
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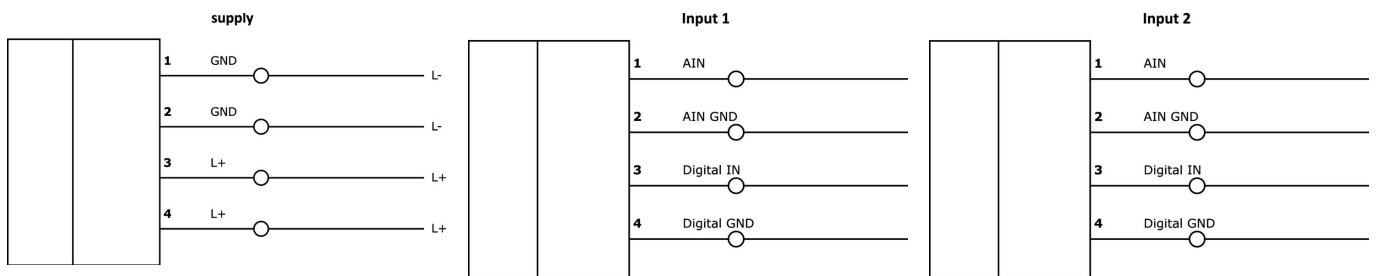
**More**

IPF Product Group	735 Gateway and accessories
packaging dimensions	223 x 175 x 42 mm
gross weight	232 g
Customs tariff number	85437090
WEEE number	40951076
Reach-compliant	Yes
RoHS-compliant	Yes

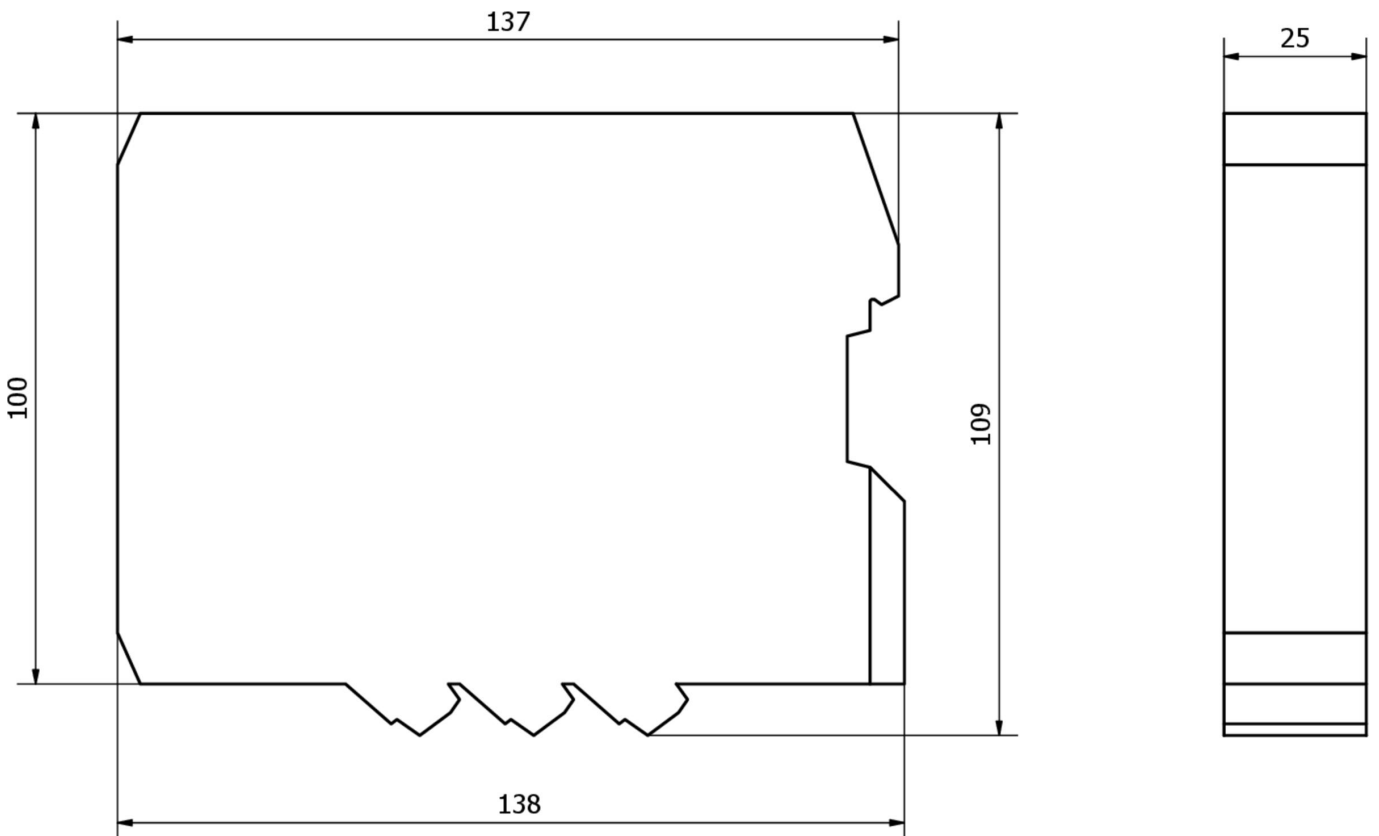
**Important notes**

/ External working memory open-ended to 16MB

**Connection**



**Dimensional drawing**



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**Extract accessories program****WF21F001**

Monitor frequency, vibration sensor, Ø21mm 42 high, IEPE, -40-120°C, connector, IP65, stainless steel

You can find further accessories on our homepage

**Installation**

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

**Disposal**

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

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**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.

/ Any software, drivers or IODD files that may be required to operate your device can be downloaded free of charge from our homepage: [www.ipf-electronic.com](http://www.ipf-electronic.com)