ibaM-8DI-24V, -220V

Input modules for digital signals

Manual

Issue 1.0

Measurement Systems for Industry and Energy

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1.0	06-2026	First issue	st	1.07.001

Certification

The product is certified according to the European standards and directives. This product meets the general safety and health requirements.

Other international and national standards were observed.

Contents

1 About this documentation

This documentation describes the design, application, and operation of the *ibaM-8DI-24V* and *ibaM-8DI-220V*devices.

Note

Observe this danger sign:

In all cases where this danger sign is displayed, refer to the manual to find out more about the nature of the potential hazards and the measures that must be taken to avoid them.

1.1 Target group

This documentation is aimed at qualified professionals who are familiar with handling electrical and electronic modules as well as communication and measurement technology. A person is regarded as professional if they are capable of assessing safety and recognizing possible consequences and risks on the basis of their specialist training, knowledge and experience and knowledge of the standard regulations.

1.2 Notations

In this manual, the following notations are used:

Action	Notation
Menu command	Menu *Logic diagram*
Calling the menu command	*Step 1 – Step 2 – Step 3 – Step x* Example: Select the menu *Logic diagram – Add – New function block*.
Keys	<Key name> Example: <Alt>; <F1>
Press the keys simultaneously	<Key name> + <Key name> Example: <Alt> + <Ctrl>
Buttons	<Key name> Example: <OK>; <Cancel>
Filenames, paths	`Filename`, `Path` Example: `Test.docx`

1.3 Used symbols

If safety instructions or other notes are used in this manual, they mean:

Danger!

The non-observance of this safety information may result in an imminent risk of death or severe injury!

Observe the specified measures.

Warning!

The non-observance of this safety information may result in a potential risk of death or severe injury!

Observe the specified measures.

Caution!

The non-observance of this safety information may result in a potential risk of injury or material damage!

Observe the specified measures.

Note

A note specifies special requirements or actions to be observed.

Tip

Tip or example as a helpful note or insider tip to make the work a little bit easier.

Other documentation

Reference to additional documentation or further reading.

2 About ibaM-8DI-x

Modular concept

The I/O module described in this documentation is part of the ibaMAQS modular measurement system.

The modular system consists of a central unit (*ibaM-DAQ* processor module or the *ibaM-COM* communication module), which can be combined with up to 15 different I/O modules. Modules are available for discrete input and output signals as well as for special technological features.

The I/O modules do not require their own power supply since they are powered via the module-module interface. The operating status of the module as well as the status of the individual channels are indicated by LEDs.

The description is based on the example of the *ibaM-8DI-24V*module.

At a glance

The *ibaM-8DI-24V* and *ibaM-8DI-220V*[1)] modules each have 8 digital inputs for acquiring digital input signals.

Overview of the most important features:

- Input module with 8 galvanically isolated digital inputs
- Input voltage: 24 V DC or 220 V DC
- Timebase min. 10 µs, freely adjustable
- Debounce filter per channel
- Rugged housing, easy installation

Applications

- Acquisition of digital input signals of 24 V DC or 220 V DC
- *ibaM-8DI-220V* specifically designed for power generation and distribution

1) expected to be available Q3/2026

3 Scope of delivery

After unpacking, check that the delivery is complete and undamaged.

The scope of delivery includes:

- Device *ibaM-8DI-24V* or *ibaM-8DI-220V*
- 2x 8-pin connector

4 Safety and other instructions

Note

Work on the system, as well as mounting and dismounting, must only be carried out by trained and qualified specialists.

Careful working methods and compliance with safety measures when working with electrical devices of all types must be observed.

Note

Observe this danger sign:

In all cases where this danger sign is displayed, refer to the manual to find out more about the nature of the potential hazards and the measures that must be taken to avoid them.

4.1 Intended use

The device is an electrical equipment. It must only be used for the following applications:

- Measurement data acquisition and analysis
- Applications of software products (*ibaPDA*, *ibaLogic* etc.) and hardware products from iba AG.

The device must only be used as specified in the *Technical data* chapter, and is designed and approved for continuous operation.

Danger!

Electric shock

The device is only designed for electrical measured variables as specified in the "Technical data" chapter!

If the device is used or operated in a manner other than specified in the *Technical data* chapter, the protection supported by the device may be impaired.

This applies in particular to the permissible operating and environmental conditions and voltages outside the corresponding CAT protection classes.

4.2 Special safety instructions

Danger!

Operation

- The system must only be operated permanently connected and not touchable, only in a building (in-door) and only in a fire protection housing in accordance with IEC 61010-1.
- The system must only be operated with a mounted end cover.
- The external power supply/power supply unit for supplying the central unit and thus for the complete system must be tested for use with this system in accordance with IEC 61010-1.
- Modules from this system must only be operated with a central processing unit from this system.
- The supply voltage for this system must only be fed from this system via a central unit.
- The supply may only be provided via an energy-limited circuit in accordance with IEC 61010-1 and must either include a fuse that trips after 120 s at the latest in the event of an overcurrent greater than 4 A or limit the total current of the system to 4 A.
- In addition to their own current consumption from the supply voltage via the module-module interface, the central units and the modules also pass on the supply voltage for other connected modules, so that the module-module interfaces may have to carry the maximum specified total current of the system.
- Only a maximum of 15 modules may be installed next to the central unit.

Danger!

Duty of care

Take care when working on the system and always check that the system and the modules themselves are in perfect condition, as well as ensuring that they are properly installed and correctly attached to the DIN rail.

If damage to cables, devices, supplies or enclosures is detected before commissioning or during operation, the system must not be put into operation or must be taken out of operation immediately.

Warning!

Mounting and dismounting / Disconnection from the grid

Work on the device or system may only be carried out when the power is switched off!

Due to the modular concept of this system, modules connected in series with this module can also carry dangerous voltages.

All energized components of all modules in the system must therefore be disconnected from the grid before mounting and dismounting.

In addition to disconnecting the power supply at the system's central unit, the signal plugs and connections of all modules in the system must also be de-energized or disconnected from the grid.

Caution!

A suitable disconnecting device for this system must be available and disconnect all energized components of this system.

This disconnecting device must include a switch or circuit breaker that is easily accessible at a suitable location in the vicinity and is also clearly marked as a disconnecting device for this system.

Caution!

Measuring cable

- Do not use damaged measuring cables!
- Connecting and disconnecting measuring cables when the device is connected to the power is prohibited!
- Measuring cables must be suitable for the measurement category and voltage, and must have a length of smaller than 10 m.

Caution!

You must only connect one conductor to each terminal connection.

Several individual conductors, whether single-wired or fine-wired, are not permitted.

Only connectors classified by iba may be used for connecting conductors.

Note

Do not open the device! Opening the device results in a loss of warranty!

Note

The device does not require any special cleaning or maintenance!

However, if you want to carry out an inspection or recalibration, return the device to iba.

5 System requirements

Hardware
ibaMAQS central unit

- *ibaM-DAQ* processor module or *ibaM-COM* communication module

Software

- *ibaPDA* version 8.14.0 or higher

Firmware

- ibaMAQS version 1.07.001 or higher

6 Mounting and dismounting

Danger!

Operation

- The system must only be operated permanently connected and not touchable, only in a building (in-door) and only in a fire protection housing in accordance with IEC 61010-1.
- The system must only be operated with a mounted end cover.
- The external power supply/power supply unit for supplying the central unit and thus for the complete system must be tested for use with this system in accordance with IEC 61010-1.
- Modules from this system must only be operated with a central processing unit from this system.
- The supply voltage for this system must only be fed from this system via a central unit.
- The supply may only be provided via an energy-limited circuit in accordance with IEC 61010-1 and must either include a fuse that trips after 120 s at the latest in the event of an overcurrent greater than 4 A or limit the total current of the system to 4 A.
- In addition to their own current consumption from the supply voltage via the module-module interface, the central units and the modules also pass on the supply voltage for other connected modules, so that the module-module interfaces may have to carry the maximum specified total current of the system.
- Only a maximum of 15 modules may be installed next to the central unit.

The modular system is designed as follows and is to be mounted on the DIN rail:

- Central unit on the far left
- Up to 15 modules to the right of the central unit
- End cover on the far right to protect the contacts

Make sure that the modules

- are properly secured to the DIN rail and
- are correctly positioned in the side guide rails.

Check the correct fitting of the modules after mounting by a visual inspection.

Note

An end cover is included in the scope of delivery of the central unit.

The end cover is also available as an accessory or spare part from iba.

Installation clearances

Ensure a minimum clearance of the entire system of 30 mm upwards and downwards and 10 mm to the right and left for sufficient ventilation of the device.

6.1 Disconnection from the grid

To enable safe, hazard-free work on the system, all live components in the system must be disconnected from the grid.

Warning!

Mounting and dismounting / Disconnection from the grid

Work on the device or system may only be carried out when the power is switched off!

Due to the modular concept of this system, modules connected in series with this module can also carry dangerous voltages.

All energized components of all modules in the system must therefore be disconnected from the grid before mounting and dismounting.

In addition to disconnecting the power supply at the system's central unit, the signal plugs and connections of all modules in the system must also be de-energized or disconnected from the grid.

Caution!

A suitable disconnecting device for this system must be available and disconnect all energized components of this system.

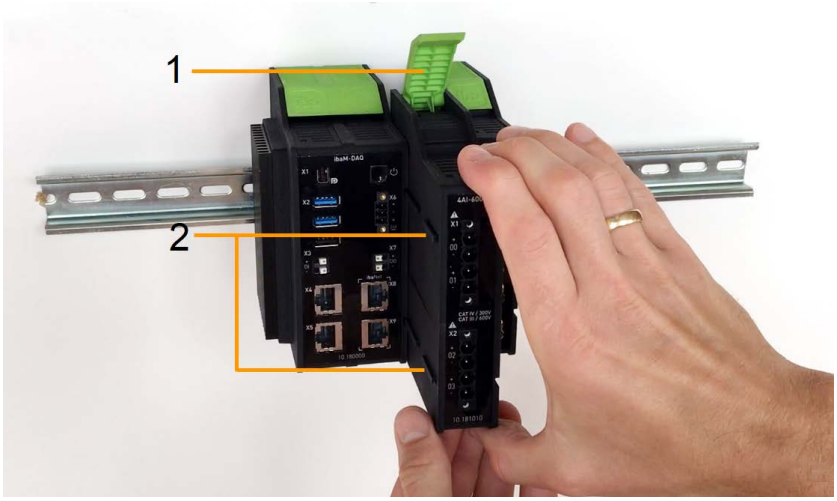
This disconnecting device must include a switch or circuit breaker that is easily accessible at a suitable location in the vicinity and is also clearly marked as a disconnecting device for this system.

6.2 Modules

Mounting

- Shut down the system and/or switch off the power supply.
- Disconnect the power supply and the entire system from the mains as instructed in chapter ↗ *Disconnection from the grid, page 15*.
- Remove the end cover, if present.

- Lift the green lever of the module upwards.
- Push the module backwards along the guide rails onto the DIN rail.
- Push down on the green lever.
- To protect the side contacts from dirt and damage, install the end cover on the last module.
- Switch on the power supply.
- Start the system.



1 Green lever for locking and releasing the modules

2 Guide rails

Dismounting

- Shut down the system and/or switch off the power supply.
- Disconnect the power supply and the entire system from the mains as instructed in chapter ↗ *Disconnection from the grid, page 15*.
- Remove all connections from the module that is to be dismounted.
- If you want to dismount the module on the far right, first remove the end cover. This is mounted again on the last module on the right after the module has been dismounted.
- Grasp the module at the top and bottom with one hand and lift the green lever upwards to release the lock on the DIN rail.
- Pull the module forward along the guide rails.
- Push down on the lever.

6.3 End cover

The rightmost module is terminated on the right side with the end cover ibaM-CoverPlate.

Mounting

- Push this end cover along the guide rail until the cover snaps into place.

Dismounting

- Push this end cover forward along the guide rail.

Note

An end cover is included in the scope of delivery of the central unit.

The end cover is also available as an accessory or spare part from iba.

6.4 Connection technology connector

Caution!

You must only connect one conductor to each terminal connection.

Several individual conductors, whether single-wired or fine-wired, are not permitted.

Only connectors classified by iba may be used for connecting conductors.

Connection technology	Push-in				
Clamping range	0.13 - 3.31 mm²				
Conductor cross-sections					
Single-wired	0.2 - 2.5 mm²				
Fine-wired	0.2 - 2.5 mm²				
With wire end ferrule	0.25 - 2.5 mm²				
With wire end ferrule/collar	0.25 - 2.5 mm²				
Stripping length					
Cross-section	0.5 mm²	0.75 mm²	1 mm²	1.5 mm²	2.5 mm²
Single-wired	10 mm				
Fine-wired					
With wire end ferrule	10 mm				
With wire end ferrule/collar	12 mm				n/a
Recommended cables					
Single-wired	H05V-U; H07V-U				
Fine-wired	H05V-K; H07V-K				
Screwdriver blade	0.6 mm x 3.5 mm				

Caution!

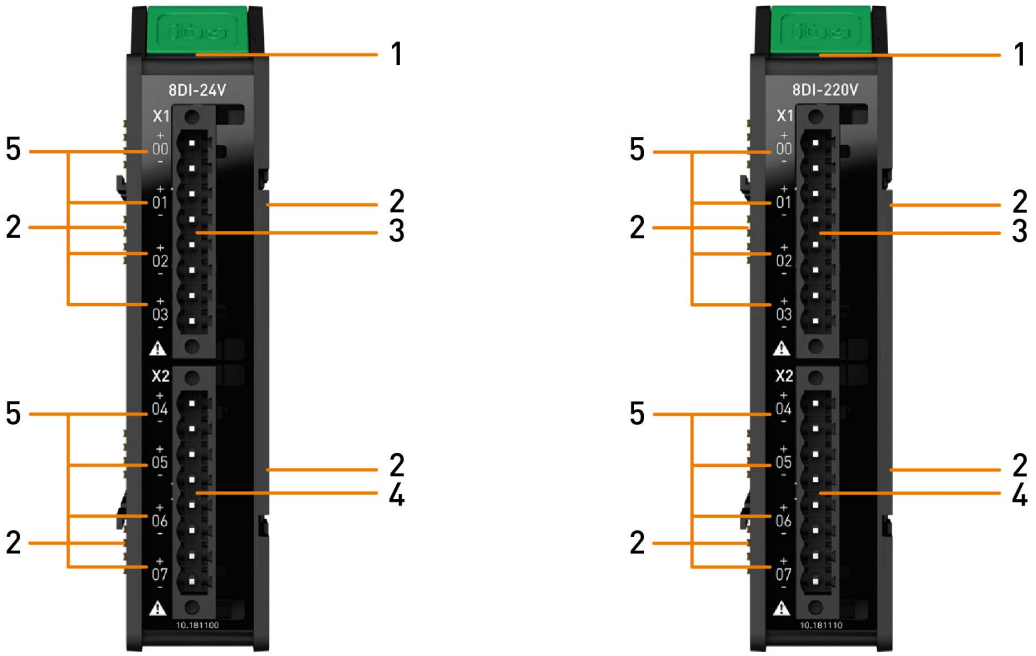
Measuring cable

- Do not use damaged measuring cables!
- Connecting and disconnecting measuring cables when the device is connected to the power is prohibited!
- Measuring cables must be suitable for the measurement category and voltage, and must have a length of smaller than 10 m.

7 Device description

Here you will find views and descriptions of the devices *ibaM-8DI-24V* and *ibaM-8DI-220V*.

7.1 View



1 Module status indicator

2 Contacts module-module interface

3 Connector digital inputs X1

4 Connector digital inputs X2

5 Digital input indicators

7.2 Indicating elements

Colored LEDs on the device indicate the state of the device and of the digital inputs.

7.2.1 Module status

Color	Status	Description
--	off	down, no power supply
Green	on	ready for operation
	flashing slowly	device is booting
	flashing quickly	update is running
Red	on	error, reset

7.2.2 Status of digital inputs

Color	Status	Description
--	off	no signal, logical 0
Green	on	signal ok, logical 1

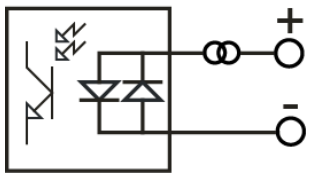
7.3 Digital inputs

Here you will find information on connection technology and debounce filters for the digital inputs.

7.3.1 Connection diagram, pin assignment

Here, you can connect 8 input signals (0…7), each bipolar and galvanically isolated. Each channel is connected using a two-wire connection. Due to the reverse polarity protection, the measurement signal is indicated logically correctly even if the connection is reversed.

Circuit diagram
The input circuit diagram of one channel is shown here as an example.



Pin assignment

Connector	Pin	Connection
X1	1	Digital input 00 +
	2	Digital input 00 -
	3	Digital input 01 +
	4	Digital input 01 -
	5	Digital input 02 +
	6	Digital input 02 -
	7	Digital input 03 +
	8	Digital input 03 -
X2	1	Digital input 04 +
	2	Digital input 04 -
	3	Digital input 05 +
	4	Digital input 05 -
	5	Digital input 06 +
	6	Digital input 06 -
	7	Digital input 07 +
	8	Digital input 07 -

Caution!

Measuring cable

- Do not use damaged measuring cables!
- Connecting and disconnecting measuring cables when the device is connected to the power is prohibited!
- Measuring cables must be suitable for the measurement category and voltage, and must have a length of smaller than 10 m.

7.3.2 Debounce filter inputs

Four debounce filters are available for each of the digital inputs. These can be chosen and configured for each signal independently with the I/O Manager of *ibaPDA*. The following filters can be selected:

- Off (no filter)
- Stretch rising edge
- Stretch falling edge
- Stretch both edges
- Delay both edges

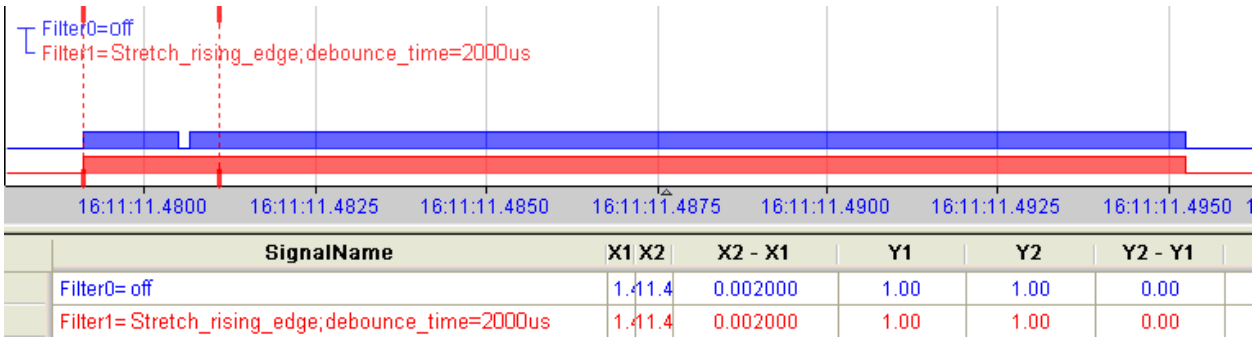
For each filter, a debounce time has to be defined in µs. This debounce time can have a value between [1 µs … 65,535 µs].

Off

The measured input signal is forwarded directly without filtering.

Stretch rising edge

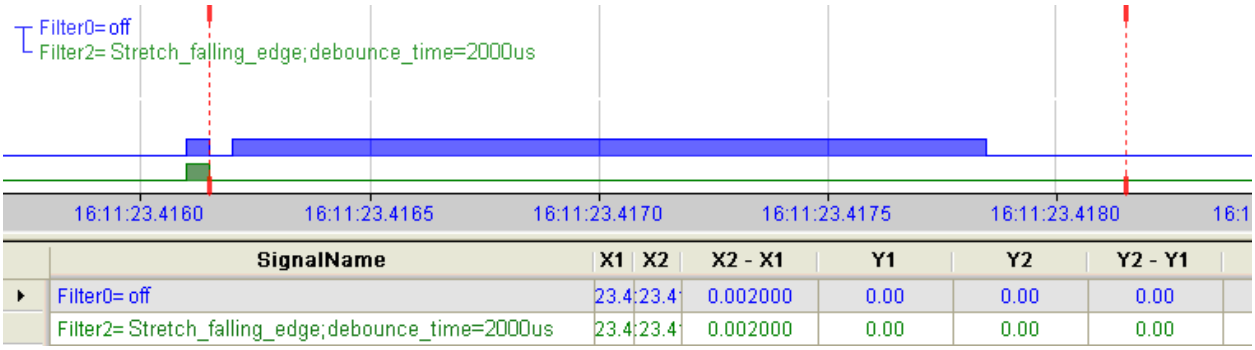
The first rising edge sets the output signal (red) to logical 1 and it remains logical 1 for the set debounce time. Subsequently, the channel is transparent again and waits for the next rising edge.



SignalName	X1	X2	X2 - X1	Y1	Y2	Y2 - Y1
Filter0= off	1.4	11.4	0.002000	1.00	1.00	0.00
Filter1= Stretch_rising_edge;debounce_time=2000us	1.4	11.4	0.002000	1.00	1.00	0.00

Stretch falling edge

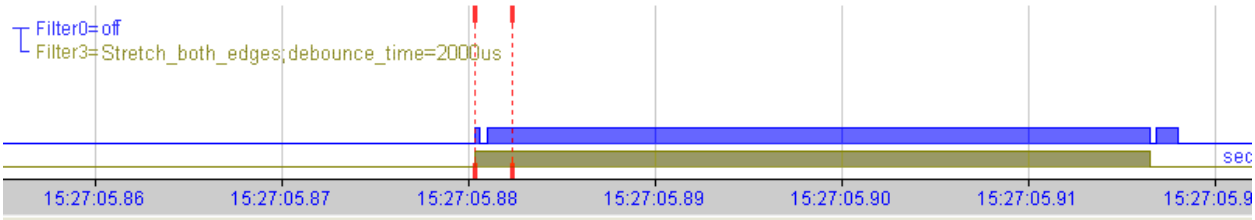
The first falling edge sets the output signal (green) to logical 0 and it remains logical 0 for the set debounce time. Subsequently, the channel is transparent again and waits for the next falling edge.



SignalName	X1	X2	X2 - X1	Y1	Y2	Y2 - Y1
Filter0=off	23.4	23.4	0.002000	0.00	0.00	0.00
Filter2=Stretch_falling_edge;debounce_time=2000us	23.4	23.4	0.002000	0.00	0.00	0.00

Stretch both edges

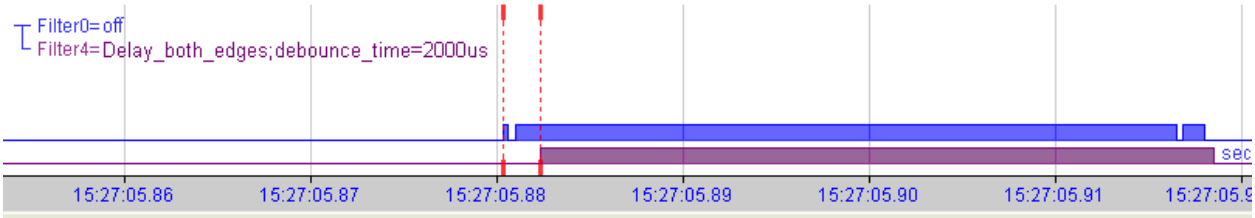
With the first edge, the output signal (ochre) follows the initial signal (blue) and keeps the logical level for the duration of the defined debounce time. Subsequently, the channel is transparent again and waits for the next (rising or falling) edge.



SignalName	X1	X2	X2 - X1	Y1	Y2	Y2 - Y1	Unit
Filter0=off	:05	:05	0.0020	1.00	1.00	0.00	
Filter3=Stretch_both_edges;debounce_time=2000us	:05	:05	0.0020	1.00	1.00	0.00	

Delay both edges

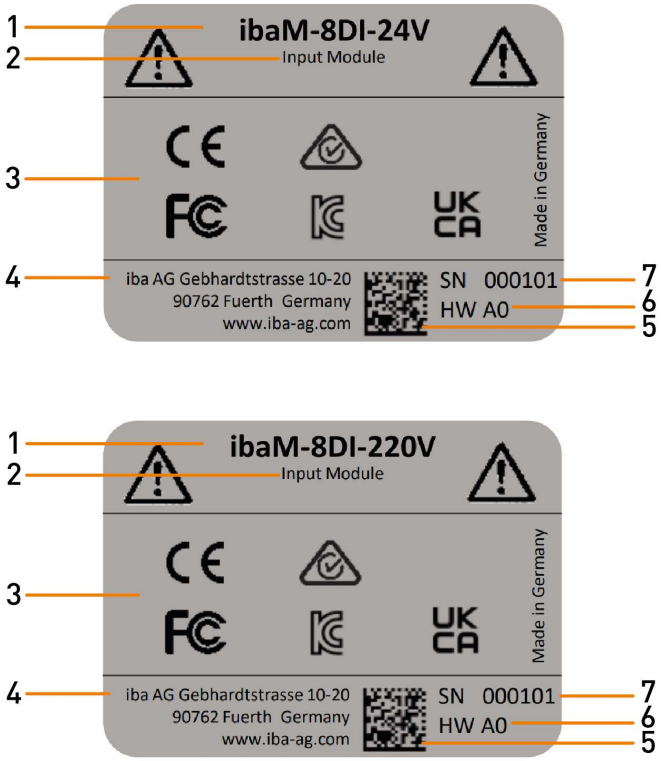
Beginning with the first edge, the output signal (purple) blocks the input and keeps the logical value of the edge for the duration of the defined debounce time. After the debounce time has elapsed, the channel is transparent again, directly assumes the logical level of the input signal and waits for the next (rising or falling) edge.



SignalName	X1	X2	X2 - X1	Y1	Y2	Y2 - Y1	Unit
Filter0=off	:05	:05	0.0020	1.00	1.00	0.00	
Filter4=Delay_both_edges;debounce_time=2000us	:05	:05	0.0020	0.00	1.00	1.00	

7.4 Type label

The type labels provide the following information:



1	Product name	5	DataMatrix code (iba internal)
2	Module type	6	Hardware version
3	Certifications, standards	7	Serial number
4	Manufacturer		

8 Confguration in ibaPDA

With *ibaPDA* you can search for devices in the network and configure them for operation in the network, but *ibaPDA* can also be used to configure, acquire and record the analog and digital signals of the connected terminals, and output them.

Modules from the ibaMAQ system can only be operated at an ibaMAQS central unit, either at the processor module *ibaM-DAQ* or communication module *ibaM-COM*. Configure the respective central unit before adding further modules.

Other documentation

Please read the description and configuration of the modules *ibaM-DAQ* or *ibaM-COM* in the corresponding device manuals.

8.1 Adding modules

There are several ways to add modules in *ibaPDA*:

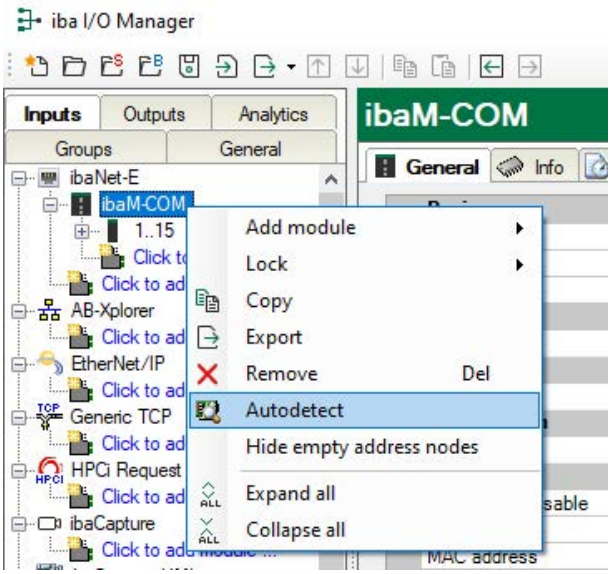
- Automatically
- Manually / offline

The procedure is described using the example of the communication module *ibaM-COM*.

8.1.1 Adding module automatically

1. Select the "ibaM-COM" link in the I/O Manager.
2. Right-click on the link to open a submenu.
3. Select *Autodetect*.

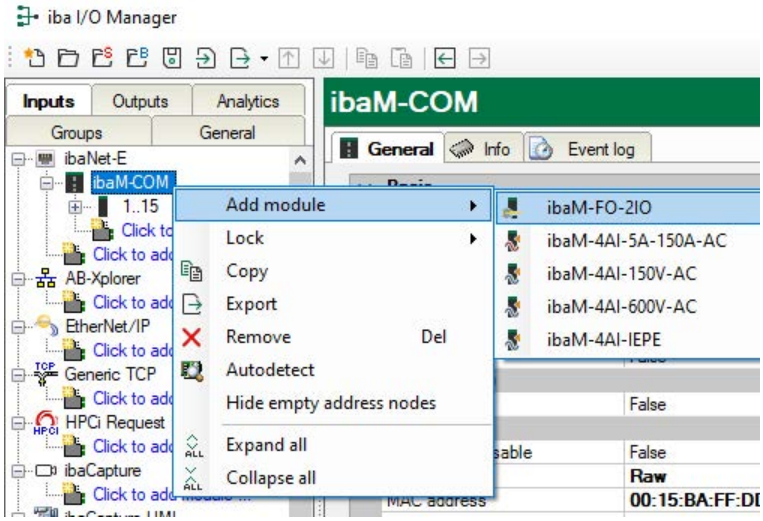
→ If *ibaPDA* detects the device automatically, the device and the connected modules are listed in the module tree.



8.1.2 Adding module manually / offline

Modules can also be added manually.

1. Right-click on the "ibaM-COM" link and select *Add module*.
2. Select the desired modules from the list.



An offline configuration makes it possible, for example, to export a module configuration without existing or connected modules or to save the entire I/O configuration of the I/O Manager.

Other documentation

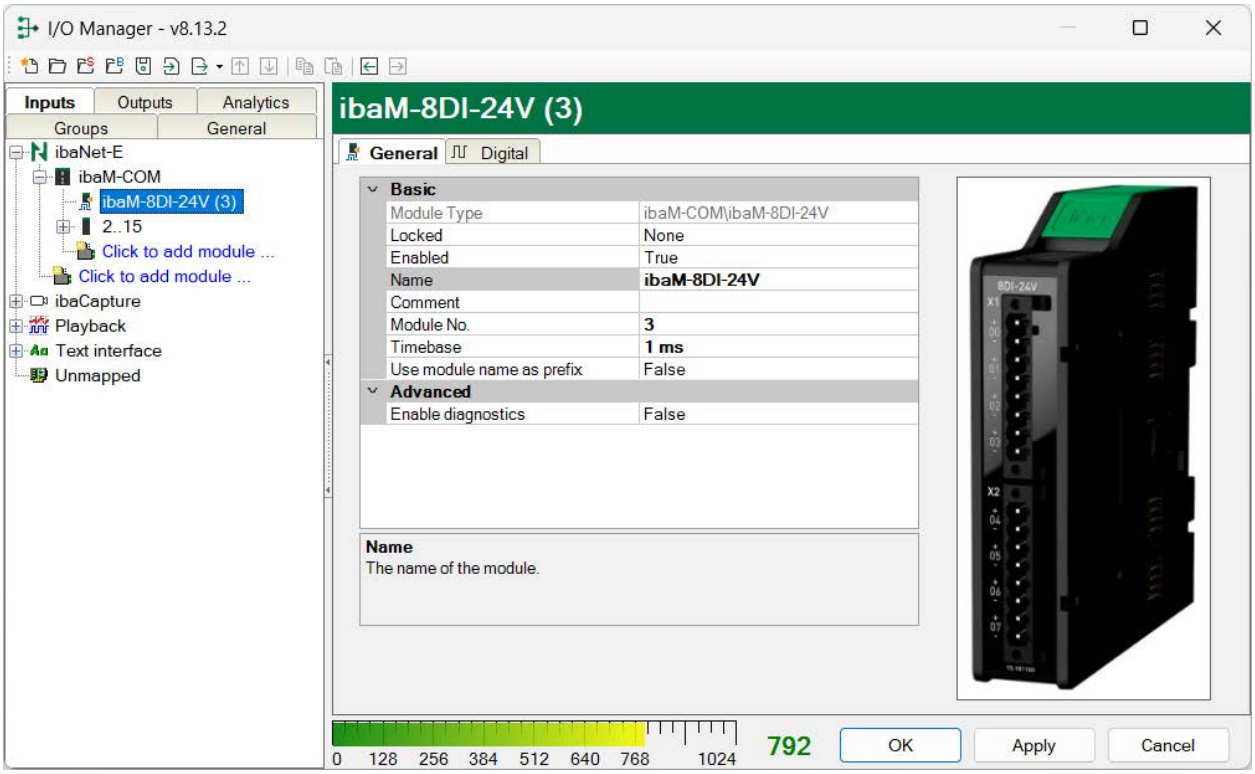
For detailed information, refer to the corresponding device manuals.

8.2 Module configuration

If the module is displayed correctly, carry out the configuration as described below.

8.2.1 ibaM-8DI – General tab

In the *General* tab, you can make basic settings for the module.



Basic

Module Type (information only)
Indicates the type of the current module.

Locked
You can lock a module to avoid unintentional or unauthorized changing of the module settings.

Enabled
Enable the module to record signals.

Name
You can enter a name for the module here.

Comment
You can enter a comment or description of the module here. This will be displayed as a tooltip in the signal tree.

Module No.
This internal reference number of the module determines the order of the modules in the signal tree of *ibaPDA* client and *ibaAnalyzer*.

Timebase
All signals of the module are sampled on this timebase.

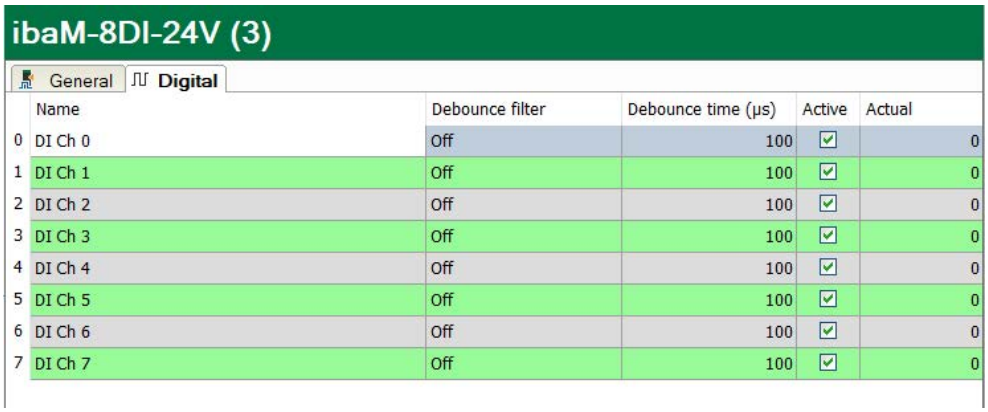
Use module name as prefix
This option puts the module name in front of the signal names.

Advanced

Enable diagnostics
If you enable diagnostics (True), the Diagnostics tab is added. See chapter ↗ *ibaM-8DI – Diagnostics tab, page 28*.

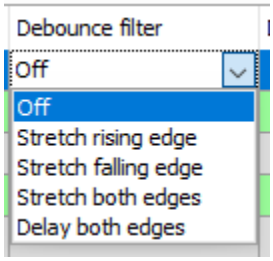
8.2.2 ibaM-8DI – Digital tab

Make the following settings in the *Digital* tab.



Name
You can enter a signal name here, as well as two comments, by clicking on the  icon in the *Name* field.

Debounce filter
You can select the operating mode of the debounce filter from a drop-down menu. Possible settings: Off, Stretch rising edge, Stretch falling edge, Stretch both edges, Delay both edges.



See chapter ↗ *Debounce filter inputs*, page 21

Debounce time (µs)
Here you can set the debounce time in µs.

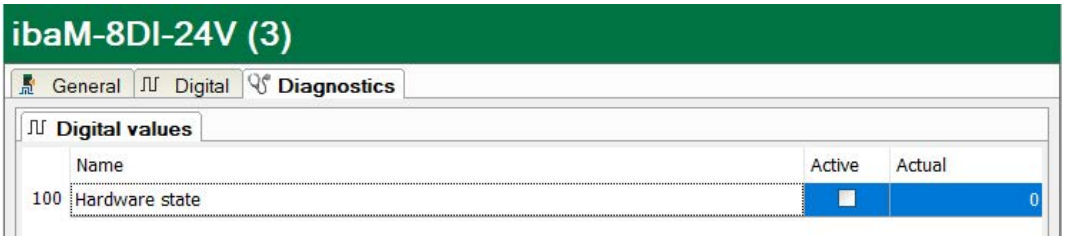
Active
You can enable or disable the signal here.

Actual
Displays the current measured value.

You can show or hide additional columns using the context menu (right-click in the header).

8.2.3 ibaM-8DI – Diagnostics tab

The *Diagnostics* tab displays digital diagnostic signals. The signal can be enabled here.



Name	Description
Hardware state	live bit to indicate the hardware status (1 Hz)

8.3 Module information

For information on the individual modules connected to the IO bus, see the Info tab on the central unit.

Select the central processing unit module in the I/O Manager—either *ibaM-DAQ* or *ibaM-COM*—and choose the *Info* tab. In the *System information* section, you will find a table containing details such as module type, hardware version, calibration date, firmware version, serial number, and status.

Module	Type	Hardware version	Calibration date	Firmware version	Serial number	Status
0	ibaM-DAQ	A4	Not required	A05.002	000165	Error
1	ibaM-FO-2IO	A1	Not required	A01.005 ⚠	000105	OK
2	ibaM-FO-2IO	A1	Unknown ⚠	A01.006	000160	OK
3	ibaM-4AI-UI	A3	2025-06-25	A01.001	000110	OK
4	ibaM-4AI-600V-AC	A4	2024-02-21	A04.004	000116	OK
5	ibaM-4AI-600V-AC	A4	2024-02-20	A04.004	000111	Missing

Meaning of the following columns:

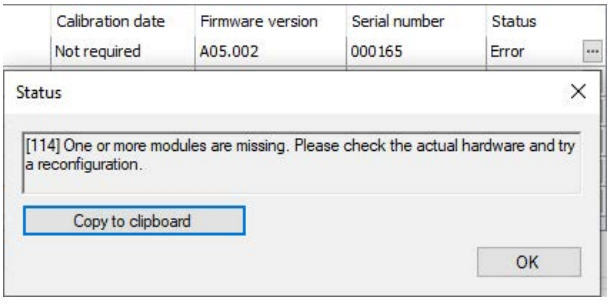
Calibration date
The following information can be displayed in the *Calibration date* column:

- Not required: The module does not need to be calibrated.
- Unknown: The state of the calibration cannot be determined.

  In this case, restart the device or the IO bus. If “Unknown” continues to be displayed, contact the iba support.
- YYYY-MM-DD: Date of last calibration (in year-month-day format)

Firmware version
If the firmware version of a module does not match the version included in the firmware package or if no firmware is included for this module in the firmware package, an exclamation mark appears.

Status
If an error is displayed here, click <...> to see information about the cause of the error.



9 Technical data

Danger

Electric shock

The device is only designed for electrical measured variables as specified in the "Technical data" chapter!

If the device is used or operated in a manner other than specified in the *Technical data chapter*, the protection supported by the device and the function itself may be impaired.

This also applies to the permissible operating and environmental conditions.

Danger!

Permanent measuring voltage

Permanent measuring voltages of up to 300 V DC will not destroy the device.

Voltages of 300 V DC or higher may destroy the device and the device's safety can no longer be guaranteed.

Short description

Name	ibaM-8DI-24V	ibaM-8DI-220V
Module label	8DI-24V	8DI-220V
Description	Input module with 8 digital channels for measuring voltage levels	Input module with 8 digital channels for measuring voltage levels
Order number	10.181100	10.181110

Module-module interface

Number	2
Connection technology	4x 8 sliding contacts

Digital inputs

Number	8	
Design	galvanically isolated, single ended, protected against reverse polarity	
Sampling method	parallel	
Level detection	active	
Input signal typ.	24 V DC	220 V DC

Signal level low/high		
log. 0	> -6 V; < +6 V	> -56 V; < +56 V
log. 1	< -10 V; > +10 V	< -76 V; > +76 V
Hysteresis	3 V DC	15 V DC
Delay	not relevant; excluded during data acquisition	
Input current	typ. 1.1 mA DC	
ibaPDA timebase (update time)	min. 10 µs; freely adjustable (integer multiple)	
Overvoltage category	OVC III 300 V	
Debounce filter	optional, 4 operating modes	
Electrical isolation		
Channel - channel	basic insulation: OVC III 300 V	
Channel - system	reinforced insulation: OVC III 300 V	
Connection technology	2x 8-pin pin header, pitch 5 mm	
Connector	2x enclosed; push-in, conductor max. 2.5 mm2, locking lever (latching), reverse polarity protection, lockable; For information on the conductor and stripping length, see chapter ↗ *Connection technology connector* , page 18; Order number: 52.000054	

Supply

Supply voltage	24 V DC via module-module interface
Current consumption (max.)	
Own consumption	0.06 A
Input/output current	4 A

Other interfaces, operating and indicating elements

Indicators	LEDs for operation, channel states and errors

Operating and environmental conditions

Temperature range	
Operation	14 °F to 131 °F (-10 °C to +55 °C)
Storage	-13 °F to 185 °F (-25 °C to +85 °C)
Mounting	on DIN rail according to EN 50022 (TS 35, DIN rail 35)
Cooling	passive
Relative humidity	15 % … 95 % (indoor), no condensation
Operating altitude	0 … 2000 m above sea level
Protection type	according to IP20; without test certificate according to IEC 60529
Certifications / standards	CE, C-Tick, UKCA, FCC, KC, IEC 61010-1, IEC 61000-6-5 interface range 4

Pollution degree	2
Dimensions	
Width x height x depth	28 mm x 133 mm x 120 mm
Height with open lever	160 mm
Height unit	3
Installation clearances	
Top / bottom	30 mm / 30 mm
Left / right (system)	10 mm / 10 mm
Installation position	vertical, lever up
Weight / incl. packaging	0.24 kg / 0.50 kg

9.1 Declaration of conformity

Supplier's Declaration of Conformity
47 CFR § 2.1077 Compliance Information

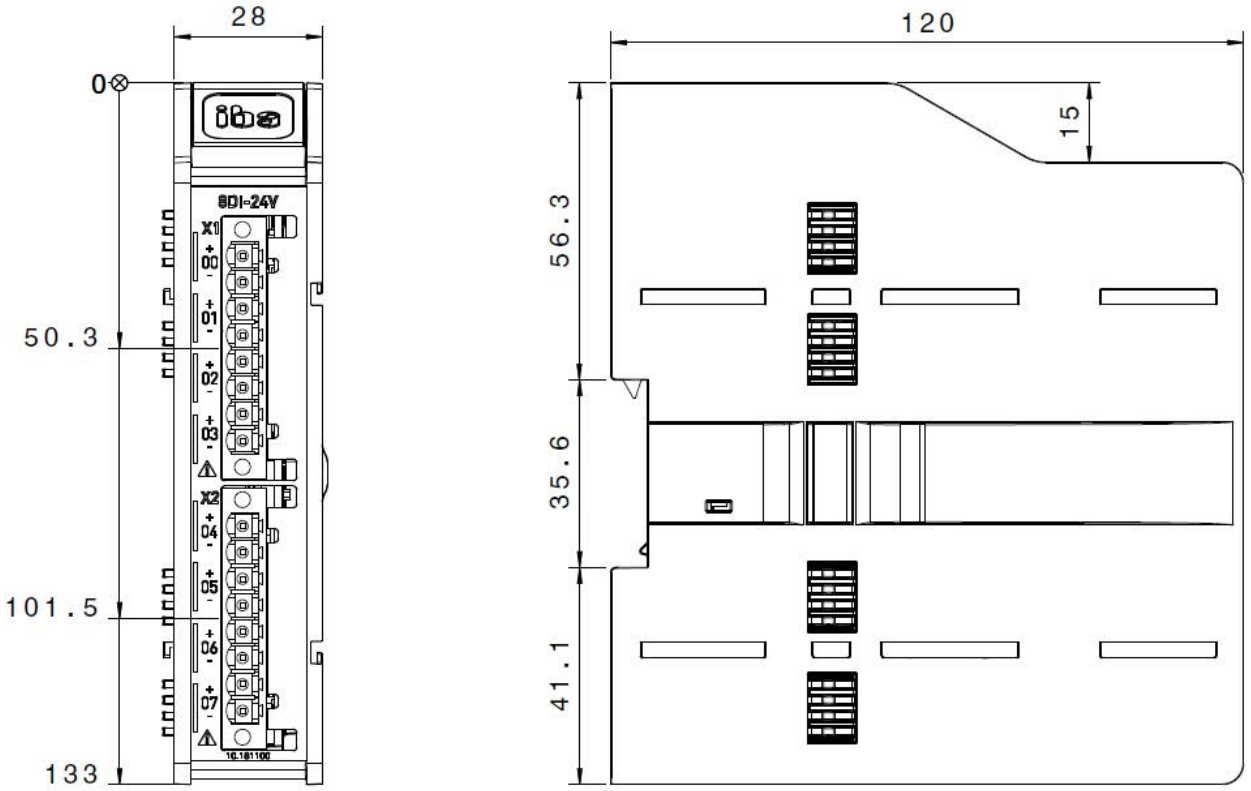
Unique Identifier:
10.181100 ibaM-8DI-24V
10.181110 ibaM-8DI-220V

Responsible Party - U.S. Contact Information
iba America, LLC
370 Winkler Drive, Suite C
Alpharetta, Georgia
30004

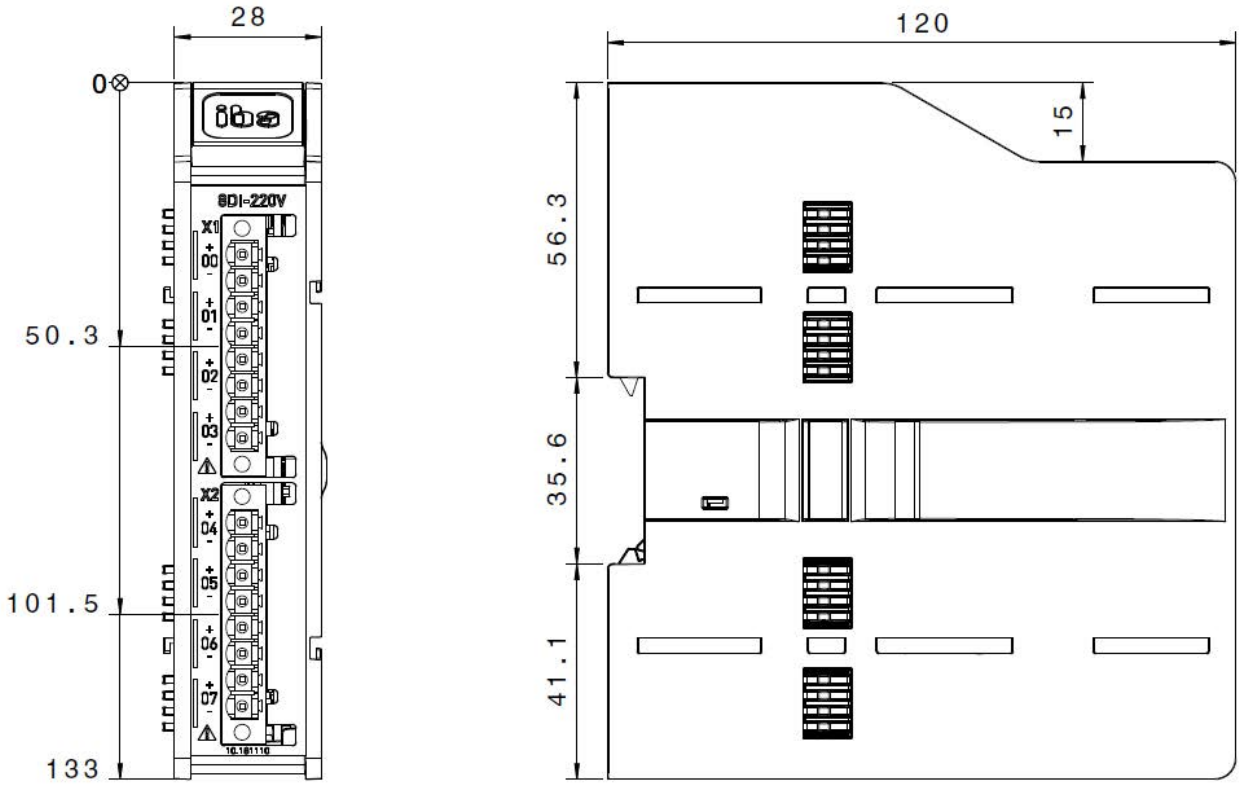
(770) 886-2318-102
www.iba-america.com

FCC Compliance Statement
This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

9.2 Dimensions



Dimensions *ibaM-8DI-24V*, dimensions in mm



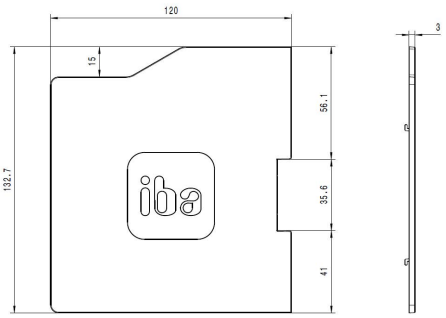
Dimensions *ibaM-8DI-220V*, dimensions in mm

9.3 Accessories

Connector for digital inputs

Short description	
Name	8-Pin Terminal Block MAQS-IO RM5.00 Push-In LR
Description	8-pin socket connector/connector for analog inputs, push-in, lockable
Order number	52.000054

End cover for MAQS modules



Short description	
Name	ibaM-CoverPlate
Description	End cover for MAQS modules
Order number	10.180020
Design	
Dimensions (w x h x d)	3 mm x 132.7 mm x 120 mm
Weight	0.05 kg

10 Support and contact

Support

Phone: +49 911 97282-14

Email: support@iba-ag.com

Note

If you need support for software products, please state the number of the license container. For hardware products, please have the serial number of the device ready.

Product Security Incident Response Team (PSIRT) at iba

Current advisories: www.iba-ag.com/en/security

Email: psirt@iba-ag.com

Contact

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Regional and worldwide

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please refer to our web site:

www.iba-ag.com