

APTER POWER PRODUCT GUIDE

IMASI23

Universal Analog Input Module

ABB IMASI23 is a Harmony rack analog input module for current, voltage, millivolt, thermocouple and RTD measurements. It processes field inputs and exchanges their values with the rack controller over the I/O expander bus.

Manufacturer	ABB
Model	IMASI23
Product type	Universal Analog Input Module
Product family	Harmony Rack I/O
Country	Sweden
HS code	8537101190
Shipping origin	Xiamen, Fujian, China

APTER POWER SALES TEAM

INDUSTRIAL AUTOMATION PRODUCT SUPPORT

Three interface paths, one controlled configuration.

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SCAN FOR PRODUCT & QUOTE

1. Installation identity and system fit

- Harmony module mounting unit
- matched termination device
- I/O expander bus
- Harmony multifunction controller

Controlled configuration

Complete model	IMASI23
Product type	Universal Analog Input Module
System family	Harmony Rack I/O

2. Wiring, configuration and commissioning

- 1 Confirm the configured signal family for every active channel.
- 2 Match the field terminal arrangement to the project drawings.
- 3 Set the rack address and configuration before start-up.
- 4 Validate scaling with representative field values.

Commissioning hold point

Important Notice: IMASI23 must be commissioned with the exact channel signal definition, termination arrangement and controller database used by the installed Harmony rack.

3. Application and functional verification

Process transmitter input racks

Combines multiple analog signal families in one rack module

Millivolt sensor acquisition

Conditions field measurements before controller access

Thermocouple measurement panels

Uses the Harmony mounting-unit backplane connection

RTD temperature monitoring

Supports temperature and electrical process variables

Associated system components

- Harmony module mounting unit
- matched termination device
- I/O expander bus
- Harmony multifunction controller

4. Maintenance and replacement record

What rack interface carries IMASI23 data?

The Harmony I/O expander bus links the rack module to the controller through the mounting-unit backplane.

What must be checked before replacing IMASI23?

Compare the full identifier, channel configuration, termination hardware, cable assignment and rack address.

How should IMASI23 wiring changes be controlled?

Use the loop drawings and preserve shield, polarity and terminal assignments for every channel.

What proves an IMASI23 installation is ready?

Stable module status plus verified channel values, scaling and alarm behavior complete the commissioning evidence.

Official source

ABB Harmony Rack Input/Output Product Overview WBPEEUS240011B1

https://library.e.abb.com/public/429d55ddf7c18f3ec1256c95006f67bc/WBPEEUS240011B1_-_en_Harmony_Rack_I_O_Product_Overview.pdf

ASK FOR QUOTE

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