

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. Product overview and identity

- Combines multiple analog signal families in one rack module
- Conditions field measurements before controller access
- Uses the Harmony mounting-unit backplane connection
- Supports temperature and electrical process variables

Model configuration

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

2. Technical specifications

Current input	4-20 mA
Voltage ranges	0-5 VDC; 1-5 VDC; 0-10 VDC
Millivolt range	0-100 mVDC
Temperature inputs	Thermocouple; RTD

3. Functions, applications and components

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. Engineering FAQ and source record

Which signal families are supported by IMASI23?

ABB lists current, voltage, millivolt, thermocouple and RTD input families for IMASI23.

Can IMASI23 read a 4-20 mA transmitter?

Yes. Select the current-input configuration and apply the project loop-power arrangement.

Which voltage ranges can be configured on IMASI23?

The ABB overview lists 0-5 VDC, 1-5 VDC and 0-10 VDC ranges.

How should an IMASI23 temperature channel be commissioned?

Confirm sensor type, termination wiring, compensation method and engineering-unit scaling.

Official source

ABB Harmony Rack Input/Output Product Overview WPPEEUS240011B1

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

ASK FOR QUOTE

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