

APTER POWER PRODUCT GUIDE

IMASI03

Universal Analog Input Slave Module

ABB IMASI03 is a universal analog input slave module that acquires isolated process signals for an INFI 90 multifunction processor. It accepts electrical and temperature-sensor inputs through the matched termination hardware.

Manufacturer	ABB
Model	IMASI03
Product type	Universal Analog Input Slave Module
Product family	INFI 90 / 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

- IMMFP01/02/03 multifunction processor
- NTAI06 termination unit
- NIAI05 termination modules
- NKAS termination cables

Controlled configuration

Complete model	IMASI03
Product type	Universal Analog Input Slave Module
System family	INFI 90 / Harmony Rack I/O

2. Wiring, configuration and commissioning

- 1 Set the slave address before module insertion.
- 2 Configure each channel jumper for its electrical input family.
- 3 Match the termination unit or modules to the installed cable arrangement.
- 4 Calibrate the active channels with the configured function blocks.

Commissioning hold point

Important Notice: IMASI03 channel type, address, jumper position and MFP function-block definition must agree before field power is applied.

3. Application and functional verification

Thermocouple temperature acquisition

Acquires mixed analog field signals

Three-wire RTD measurement

Transfers converted values over the slave expander bus

Process current-loop monitoring

Applies channel-specific signal conditioning

Low-level millivolt sensing

Supports open-input and module-status diagnostics

Associated system components

- IMMFP01/02/03 multifunction processor
- NTAI06 termination unit
- NIAI05 termination modules
- NKAS termination cables

4. Maintenance and replacement record

What must be configured in the MFP for IMASI03?

The MFP requires the IMASI03 slave address, active channel definition, signal type and engineering scaling.

How is IMASI03 commissioned after replacement?

Verify address, termination cabling, channel configuration, LED state and each active process value.

What does a red IMASI03 status indication require?

Follow the IMASI03 diagnostic sequence and separate power-up, communication and fatal module conditions before replacement.

Can IMASI13 replace IMASI03 without configuration work?

No. ABB's replacement procedure requires resolution and function-code checks before the substitution is accepted.

Official source

ABB Symphony Harmony OEM repair catalog (exact IMASI03 model listing)

<https://library.e.abb.com/public/0dbf939ea74d4b07b739fe0d57c4d715/Kickstart%202025%204HZG000076%20Rev%20A.pdf>

ASK FOR QUOTE

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