HIMA F3 AIO 8/4 01

Analog Remote I/O / Identity and operating role

HIMA F3 AIO 8/4 01 is a HIMatrix remote I/O module with eight analog inputs and four non-safety-related analog outputs. It includes two Ethernet switch ports and field supply support for NAMUR proximity switches and 24 V devices.

Official model	F3 AIO 8/4 01
Product family	HIMatrix F
Device form	Remote analog I/O
Analog inputs	8
Analog outputs	4
Analog output classification	Non-safety-related

MODEL-SPECIFIC POINT

Confirm the eight analog input ranges and channel assignments from the approved project.

MODEL-SPECIFIC POINT

Treat all four analog outputs as non-safety-related outputs.

MODEL-SPECIFIC POINT

Record the two Ethernet switch-port connections before removal.

MODEL-SPECIFIC POINT

Verify NAMUR or 24 V field-supply use channel by channel.

Important Notice: The four analog outputs are non-safety-related; do not assign them a safety function that the manufacturer portfolio does not claim.

IDENTITY CONTROL

Match the complete model and installed record before any replacement decision.

CONFIGURATION CONTROL

Retain the project, addresses, wiring or network data and acceptance evidence together.

HIMA F3 AIO 8/4 01

Analog Remote I/O / System integration and applications

Analog ranges, scaling, diagnostics, sensor supply and output use are determined by the validated project. The four analog outputs must not be represented as safety-related outputs.

Analog measurement

Acquire eight approved process or machinery signals at a remote station.

NAMUR sensor interface

Support documented NAMUR proximity-switch circuits.

Mixed analog station

Combine input acquisition with four non-safety analog outputs.

Distributed diagnostics

Retain scaling and diagnostic records in the HIMatrix project.

Additional manufacturer data

Ethernet switch ports	2
Line monitoring	Not listed
Sensor supply	NAMUR proximity-switch supply
Field supply	24 V support
System engineering	SILworX
Safety networking	SafeEthernet portfolio

VERIFIED RELATED PRODUCTS

Catalog navigation only; compatibility, replacement or substitution is not implied.

01 HIMA F7553

02 HIMA F8620

APPLICATION BOUNDARY

The examples describe the documented system role and do not establish interchangeability.

SELECTION EVIDENCE

Confirm the exact model against the installed drawing, project record and field arrangement.

HIMA F3 AIO 8/4 01

Analog Remote I/O / Installation and commissioning

01 / CONTROLLED STEP

Verify the complete manufacturer and model marking against the approved bill of materials.

02 / CONTROLLED STEP

Record the installed position, terminal arrangement, network assignment and visible diagnostics before removal.

03 / CONTROLLED STEP

De-energize the affected circuit and apply the site isolation and electrostatic-control procedure.

04 / CONTROLLED STEP

Compare every conductor, connector and address with the controlled drawing before transfer.

05 / CONTROLLED STEP

Inspect mating parts, grounding, shielding and enclosure condition before installing the replacement.

06 / CONTROLLED STEP

Restore only the validated project and the documented channel or communication settings.

Release gate

Review startup diagnostics before any live functional test is attempted. Prove the intended response and retain the witnessed acceptance record before release.

Exact identity	F3 AIO 8/4 01
Installed position	Record rack, slot and station assignment
Configuration	Retain project, addresses, signal modes and network data
Acceptance	Record diagnostics and witnessed functional response

VERIFIED RELATED PRODUCTS

Catalog navigation only; compatibility, replacement or substitution is not implied.

01 HIMA F8620-11

02 HIMA F8627X

PRE-ENERGIZATION

Recheck identity, seating, wiring, grounding, signal mode and every applicable protective device.

FUNCTIONAL ACCEPTANCE

Review diagnostics and prove the intended response before the process is released.

HIMA F3 AIO 8/4 01

Analog Remote I/O / Model-specific engineering questions

What is HIMA F3 AIO 8/4 01?

It is the exact analog remote i/o identified in the cited HIMA manufacturer material.

Can a nearby HIMA model be substituted?

No. Similar family names do not establish channel, electrical, safety or connector equivalence.

What is the first technical check?

Confirm the eight analog input ranges and channel assignments from the approved project.

What is required before energization?

Recheck the exact identity, approved wiring, seating, supply, grounding and application-specific protective devices.

Which identity must be checked?

Match the complete F3 AIO 8/4 01 marking and the installed project record; do not shorten or normalize the suffix during selection.

What should be recorded before removal?

Record the installed location, terminal or connector arrangement, project assignment, network data and current diagnostics.

What is the second technical check?

Treat all four analog outputs as non-safety-related outputs.

What completes acceptance?

Review diagnostics and witness the intended field or logic response under the controlled commissioning procedure.

VERIFIED RELATED PRODUCTS

Catalog navigation only; compatibility, replacement or substitution is not implied.

01 HIMA F8641

Acceptance record

Identify the exact model, restored configuration, diagnostic state and witnessed response. Preserve the record with the controlled maintenance history.

Identity	Complete manufacturer and model marking verified
Configuration	Installed project, mapping, wiring or network data restored
Diagnostics	Relevant module and system indicators reviewed
Release	Intended field response witnessed and recorded

HIMA F3 AIO 8/4 01

Analog Remote I/O / Evidence and support

EVIDENCE BOUNDARY

Only exact manufacturer material supports the stated facts; nearby suffixes are not treated as substitutes.

DOCUMENT USE

Use this file with the installed drawing, project backup and controlled maintenance procedure.

Manufacturer	HIMA
Exact model	F3 AIO 8/4 01
Product type	Analog Remote I/O
Product family	HIMatrix F
Evidence basis	Exact manufacturer publication

VERIFIED RELATED PRODUCTS

Catalog navigation only; compatibility, replacement or substitution is not implied.

01 HIMA F8650X

MANUFACTURER EVIDENCE RECORD

HIMA Technical Facts: HIMatrix COTS

Manufacturer portfolio table for the exact F3 AIO 8/4 01 execution.

DOCUMENT PACKAGE

Exact identity: manufacturer and full model are retained throughout this file.

Engineering boundary: nearby suffixes do not establish compatibility or substitution.

Field use: combine this reference with the installed drawing and validated project record.

Release evidence: retain diagnostics, test results and witnessed functional acceptance.

CONTACT APTER POWER

WhatsApp / Phone +86 180 3023 5313

Email sales13@apterpower.com

Web www.apterpower.com