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01 Readiness and operating boundary

HIMA F3421 is a digital output module identified by the exact F3421 front marking. The documented front assembly provides four K1–K4 output indications and relay/terminal positions that must remain aligned with the installed field circuits.

Confirm exact identity

Confirm the complete F3421 marking before work.

Exact model	F3421
Module type	Digital output module
Visible channel marks	K1 through K4

Establish the safe work boundary

Place the affected equipment in its approved maintenance state.

Identity	F3421
Host	HIMA legacy safety I/O
Acceptance	Diagnostics and functional response

PAGE TRACE	REQUIRED ENTRY
Inspector	_____
Result	Pass / hold / corrective action
Record	Date, diagnostic state and release reference

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F3421

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02 Configuration and interface setup

F3421 presents four visibly identified output paths at the front of the module, so the K1–K4 indication, relay positions and terminal map are recorded before replacement.

Record the as-found configuration

Isolate connected energy and prove the circuit safe.

Module type	Digital output module
Visible channel marks	K1 through K4
Output paths	Four front-indicated paths

Map connections and settings

Photograph the slot, wiring, connectors and settings before removal.

Identity	F3421
Host	HIMA legacy safety I/O
Acceptance	Diagnostics and functional response

PAGE TRACE	REQUIRED ENTRY
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03 Installation and service sequence

F3421 presents four visibly identified output paths at the front of the module, so the K1–K4 indication, relay positions and terminal map are recorded before replacement.

Restore the documented assembly

Match every documented interface and companion component.

Visible channel marks	K1 through K4
Output paths	Four front-indicated paths
Documented output current	300 mA in exact-model sales record

Protect every interface

Restore mechanical retention, shielding and protective earth.

Identity	F3421
Host	HIMA legacy safety I/O
Acceptance	Diagnostics and functional response

PAGE TRACE	REQUIRED ENTRY
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04 Verification and fault isolation

F3421 presents four visibly identified output paths at the front of the module, so the K1–K4 indication, relay positions and terminal map are recorded before replacement.

Verify the installed function

Review hardware, network and controller diagnostics after energization.

Output paths	Four front-indicated paths
Documented output current	300 mA in exact-model sales record
Undervoltage trip	14 V or lower in exact-model sales record

Isolate unexpected response

Functionally verify four-path digital output switching in the matched HIMA rack before service release.

Identity	F3421
Host	HIMA legacy safety I/O
Acceptance	Diagnostics and functional response

PAGE TRACE	REQUIRED ENTRY
Inspector	_____
Result	Pass / hold / corrective action
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05 Acceptance and service handover

F3421 presents four visibly identified output paths at the front of the module, so the K1–K4 indication, relay positions and terminal map are recorded before replacement.

Complete the release record

Confirm the complete F3421 marking before work.

Exact model	F3421
Module type	Digital output module
Visible channel marks	K1 through K4

Retain acceptance evidence

Place the affected equipment in its approved maintenance state.

Identity	F3421
Host	HIMA legacy safety I/O
Acceptance	Diagnostics and functional response

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