Product dashboard

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.

Exact model	Product type	System family	Functional role
F3421	Digital Output Module	HIMA legacy safety I/O	Digital Output Module

PARAMETER	DOCUMENTED VALUE
Exact model	F3421
Module type	Digital output module
Visible channel marks	K1 through K4
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
Short-circuit current	0.75–2.4 A in exact-model sales record
Space requirement	4 TE in exact-model sales record

Release basis: verify the exact identity, retained host relationship, connected interfaces and controlled functional result.

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F3421

System overview

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.

Installed-system renewal

Restores the documented F3421 position while keeping the approved host and interfaces.

Controlled maintenance

Supports as-found recording, safe isolation and exact connection restoration.

Compatibility review

Compares the full marking, host, connectors, settings and companion hardware.

Commissioning evidence

Records diagnostics and a controlled functional test of four-path digital output switching in the matched HIMA rack.

SYSTEM POSITION	RECORD
Installed identity	F3421

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F3421

Technical data map

PARAMETER	VERIFIED VALUE
Exact model	F3421
Module type	Digital output module
Visible channel marks	K1 through K4
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
Short-circuit current	0.75–2.4 A in exact-model sales record
Space requirement	4 TE in exact-model sales record
Acceptance	Command, indication and terminal response

CONTROL BAND	VERIFICATION RECORD
Identity	Exact model and complete label
Mechanical	Form, seating and retention
Interfaces	Power, wiring, communication and protection
Configuration	Settings, project and revision
Release	four-path digital output switching in the matched HIMA rack

Technical evidence record: Exact-model image and product record

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Applications and precautions

1. Confirm the complete F3421 marking before work.
2. Place the affected equipment in its approved maintenance state.
3. Isolate connected energy and prove the circuit safe.
4. Photograph the slot, wiring, connectors and settings before removal.
5. Match every documented interface and companion component.
6. Restore mechanical retention, shielding and protective earth.
7. Review hardware, network and controller diagnostics after energization.
8. Functionally verify four-path digital output switching in the matched HIMA rack before service release.

Complete each check against the installed record; hold release when any identity, connection, configuration or diagnostic result differs.

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F3421

Buyer and engineering FAQ

What does F3421 identify?

F3421 identifies the digital output module used for four-path digital output switching in the matched HIMA rack.

Which installed system must F3421 match?

Match F3421 to the recorded HIMA legacy safety I/O host, position and companion hardware.

Which markings must be checked on F3421?

Verify the complete F3421 text and every suffix, revision or assembly marking on the supplied item.

What should be recorded before removing F3421?

Record the slot, connectors, cable labels, switches, parameters, adjacent hardware and diagnostic state.

Related Apter Power pages

HIMA K7214 — View product page

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