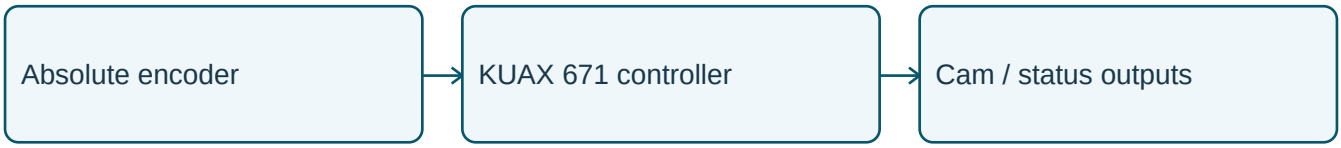
KUAX671-671.022.16

01 / System identity and preparation

KUHNKE KUAX671-671.022.16 converts the configured absolute-encoder position into programmed cam-output states.



Preparation priorities

Position-control chain	Converts the configured absolute-encoder position into programmed cam-output states.
Encoder matching	Preserve encoder type, modified-Gray coding, resolution, direction and shaft reference before reconnecting the controller.

Guide boundary

This Apter Power guide organizes preparation and acceptance checks. Apply the manufacturer instructions and approved site procedure for detailed wiring, mounting, configuration and functional testing.

Application boundary

The 671.022.16 execution has 14 cam and two status outputs. Encoder coding, resolution and programmed switching angles must match the installed machine; other KUAX variants are not interchangeable by family name alone.

Product and installation enquiries

sales13@apterpower.com | +86 18030235313

Apply manufacturer instructions and approved site procedures.

02 / Configuration review before service

Position-control chain	Converts the configured absolute-encoder position into programmed cam-output states.
Encoder matching	Preserve encoder type, modified-Gray coding, resolution, direction and shaft reference before reconnecting the controller.
Output and diagnostic review	Retain the cam-output wiring and A00/A01 status circuits. Check the affected output individually after a short circuit and investigate battery warnings promptly.
Functional acceptance	Validate the reference angle and programmed on/off transitions under controlled machine conditions, then confirm fault and status reporting.

Match the 671.022.16 execution

Retain the complete KUAX671-671.022.16 identity and verify the 14 cam plus two status-output arrangement.

Verify encoder coding

Use the specified 24 V modified-Gray absolute-encoder interface and the configured resolution. Do not connect an incremental encoder by connector similarity.

Mismatch decision

Resolve a different catalog marking, interface, software requirement or installed configuration before proceeding. Physical similarity alone does not establish an approved replacement.

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03 / Hardware and interface checks

Check output loading

Observe the positive-switching 24 V, 0.4 A output rating and the applicable external protection arrangement.

Preserve the cam program

Back up or record switching angles, program selection and shaft reference before maintenance or programming changes.

Key hardware references

Controller order code	671.022.16
Nominal supply	24 V DC, ±20%
Permitted supply ripple	Less than 5%
Cam outputs	14

Preserve the connection record

Photograph and label the affected connections before disconnection. Retain the original routing, module positions and identification with the work order, and compare the restored installation against that record.

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Apply manufacturer instructions and approved site procedures.

04 / Commissioning and diagnostic decisions

Interpret status outputs

A00 reports output short-circuit or program-parity faults; A01 monitors battery voltage. Diagnose the indicated cause before release.

Validate angular timing

Check encoder direction, reference and each required output transition under controlled machine conditions before production.

Acceptance checkpoints

Before energization	Preserve encoder type, modified-Gray coding, resolution, direction and shaft reference before reconnecting the controller.
Configuration review	Retain the cam-output wiring and A00/A01 status circuits. Check the affected output individually after a short circuit and investigate battery warnings promptly.
Functional release	Validate the reference angle and programmed on/off transitions under controlled machine conditions, then confirm fault and status reporting.

Abnormal result

If diagnostics, communication or functional response differ from the approved baseline, stop the release and resolve the configuration or installation issue. Do not bypass an interlock or protective function to obtain a passing test.

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05 / Service record and technical references

Lifecycle and support

The current manufacturing and service-support phase for KUAX671-671.022.16 has not been confirmed. Obtain current manufacturer guidance for the complete identification and installed configuration.

Technical basis

Kuhnke Electronics PosiControl KUAX 671 Instruction Manual, E165GB (12 May 1993), including the 671.022.16 execution.

Applicability

The 671.022.16 execution has 14 cam and two status outputs. Encoder coding, resolution and programmed switching angles must match the installed machine; other KUAX variants are not interchangeable by family name alone.

Related portfolio references

Schneider Electric TCSEGDB23F24FA

Schneider Electric TSX3710001

Schneider Electric 140CPU65150C

Navigation only. These listings are not confirmed replacements, compatible accessories or included items.

Handover record

Retain the complete fitted marking, hardware/software revision where applicable, connection record and accepted test results. Confirm separate accessories and documents in the quotation.

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Apply manufacturer instructions and approved site procedures.