KUAX671-671.022.16

01 / Product identity and control context

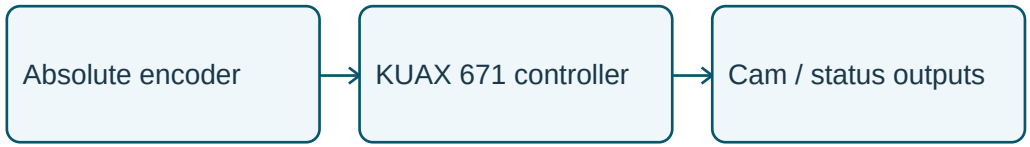
Electronic Cam Controller

KUHNKE KUAX671-671.022.16 is a PosiControl electronic cam controller with 14 cam outputs and two status outputs for position-dependent machine switching.

Key characteristics

Product type	Electronic cam controller
Order-code identity	671.022.16
Switching channels	14 cam outputs plus two status outputs
Encoder system	24 V modified-Gray absolute encoder

Functional relationship



Position-control chain

Converts the configured absolute-encoder position into programmed cam-output states.

Configuration 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.

KUAX671-671.022.16

02 / Technical characteristics

Hardware and functional data

Manufacturer	KUHNKE
Product series	PosiControl KUAX 671
Controller order code	671.022.16
Nominal supply	24 V DC, ±20%
Permitted supply ripple	Less than 5%
Cam outputs	14
Status outputs	Two: A00 and A01
Output configuration	Positive-switching open-emitter

Interfaces and operating conditions

Output rating	24 V; 0.4 A per output
Encoder input	Optically isolated 24 V absolute-encoder signals
Encoder coding	Modified Gray code
Programming interface	9-pin D-sub
Encoder connector	25-pin D-sub
Operating temperature	0 to 55 °C
Controller protection	IP20

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03 / Application and integration contexts

Position-dependent sequencing

Switch configured cam outputs according to machine-shaft position. Match encoder resolution, direction and the programmed switching angles.

Packaging machine timing

Coordinate position-related machine actions with the configured cam program. Validate the output load and mechanical timing independently.

Encoder matching

Preserve encoder type, modified-Gray coding, resolution, direction and shaft reference before reconnecting the controller.

Cyclic machine control

Use an absolute-position input for repeatable switching within a machine cycle. Confirm the installed encoder and reference alignment.

Legacy controller servicing

Preserve the cam program, encoder configuration and output wiring when maintaining a KUAX 671 installation. Compare the 671.022.16 execution explicitly.

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.

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04 / Installation and release decisions

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.

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.

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.

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05 / Lifecycle, evidence and related portfolio

Lifecycle status

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.

Supply boundary

Apter Power availability and dispatch are confirmed separately from the manufacturer lifecycle phase.

Technical basis

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

Related product references

Schneider Electric TCSEGDB23F24FA

Schneider Electric TSX3710001

Schneider Electric 140CPU65150C

Navigation only; no substitute or accessory compatibility is implied.

Offered-unit verification

Compare the complete label, connectors, mounting arrangement and applicable hardware/software revision. Confirm included components and accompanying documents in the quotation.

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