

424K1105

System Integration and Verification Reference

The 424K1105 is an ABB ABB Type 25V synchronism-check relay. It checks permitted voltage and phase conditions before a supervised circuit-closing command is released.

Manufacturer	ABB / Elsas Bailey
Complete model	424K1105
Product description	ABB Type 25V synchronism-check relay
Prepared by	Apter Power
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APTER POWER SALES TEAM

INDUSTRIAL AUTOMATION PRODUCT SUPPORT

Three interface paths, one controlled configuration.

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424K1105

1. System role

Checks permitted voltage and phase conditions before a supervised circuit-closing command is released.

What the product handles

Signal types and electrical ratings are defined by the cited manufacturer document and the installed-system configuration. Values not stated for this exact complete identifier are intentionally omitted.

Required companion components

Use only the controller, rack, terminal unit, cable, sensor, actuator or power components explicitly documented for the installed ABB system and revision.

Where it is used

Industrial automation, process control, machinery, utilities or robotics installations using the named ABB product family; exact use depends on the approved system design.

Pre-installation record

Parameter	Verified value
Identity	Record complete model 424K1105 and every revision/suffix from the nameplate
Evidence	Retain the cited manufacturer PDF and site-approved drawings
Configuration	Back up the approved controller, network or module configuration
Connections	Label cables, terminals, module positions and field wiring
Commissioning	Define a point-by-point or communication verification plan

2. Installation and commissioning controls

Recommended verification sequence

Parameter	Verified value
1 - Identify	Match the full nameplate and physical construction
2 - Isolate	Follow site lockout, electrical-safety and ESD procedures
3 - Compare	Confirm companion hardware, cables, termination and revision compatibility
4 - Install	Use manufacturer mounting, grounding and environmental requirements
5 - Configure	Restore only the approved configuration and documented settings
6 - Test	Verify communications, diagnostics and every affected process function
7 - Release	Record results and obtain the required site authorization

Model-specific precautions

- Match the complete model, order code, revision and physical construction before installation or replacement.
- Use only the electrical ratings, wiring and environmental limits stated in the applicable ABB document.
- Record the existing configuration and test every affected signal, communication path and safety function before release.

Manufacturer source PDFs

Manufacturer document	Direct PDF
ABB manufacturer document / product-family reference	Open PDF in a new window

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