ABB 07KP64 GJR5240600R0101

RCOM Communication Processor

RCOM Roles, Modem Routing and Application Exchange

Keep protocol, station role and modem/console paths explicit before proving the actual remote application duties.

Before You Order

Protocol	Confirm RCOM rather than MODBUS or PDnet and retain the application program.
Topology	List master/slave roles, supervisory system and remote nodes.
Cable duties	Identify the console-to-terminal and RCOM-to-modem cables separately.

The installed relationship

Application layer	Retained RCOM program -> station role and remote functions
Remote path	RCOM interface -> modem cable -> modem -> remote node
Service path	Console interface -> terminal cable -> commissioning observation

Functional information applies to the 07 KP 64 RCOM processor. PC memory, disk and operating-system requirements in the software publication describe the programming computer, not the module. The full GJR supply code is retained without inferring undocumented hardware ratings.

RCOM Roles, Modem Routing — work decisions

1 Identify the supervisory protocol

Record RCOM master/slave role, remote-node list and any MasterPiece 200 relationship.

2 Capture both serial duties

Keep commissioning console and RCOM/modem cable identities distinct.

3 Preserve the communication application

Retain the approved program and expected cold/warm-start behavior before removal.

4 Restore the proper cable path

Use the documented console or modem cable for its own duty, without transferring an adjacent processor’s pinout.

5 Test more than connectivity

Prove required data read/write, clock synchronization and event polling as actually used.

6 Verify restart recovery

Compare the permitted startup sequence and the remote station’s restored application behavior.

Interpret the observed fault

Console available, remote exchange absent	Investigate the RCOM/modem path and remote-node settings separately.
Some nodes cannot participate	Review supervisory-system limits and the configured node list.
Link present but events wrong	Compare the RCOM application and polling duty rather than only connector continuity.

Evidence required to release this assembly

Role proof	The restored station has the intended master/slave role.
Path proof	Console access and remote modem exchange are independently demonstrated.
Application proof	The used data, event and clock/startup functions match the accepted program.

Keep These Evidence Types Separate

Electrical interface	RS-232-C identifies a signaling standard, not a complete protocol.
Programming environment	PC requirements describe the workstation running the programming software.
Operating result	A link indication is not a functional proof of the remote application.

Decisions from the observed installation

A serial-capable spare is offered under another protocol

Resolve application migration before considering physical installation.

Console diagnostics are mistaken for full acceptance

Add a remote data/event test for the actual receiving station.

The evidence to retain for 07KP64 GJR5240600R0101

Configuration evidence	RCOM program, station roles, node list and cable duties.
Communication evidence	Remote data exchange, event response and accepted startup/synchronization results.

Technical basis

ABB Procontic T200 Software 907 KP 64, 2CDC120094M0201, and Interface Cables 2CDC120045M0202; ABB Procontic T200 R1 catalogue GATS121401R2003

Related product references

Separate supply references; listing does not establish interchangeability.

ABB YPK113A	UART Communication Board; separate supply reference
ABB 07NG63R1 GJV3074313R1	Dual-Output Rack Power Supply; separate supply reference

Discuss 07KP64 GJR5240600R0101 and the installed application with Apter Power.
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