

APTER POWER INSTALLATION & VERIFICATION REFERENCE

PM902F-3BDH001000R0005

Field checklist for controller execution, redundancy, and project backup

ENGINEERING LENS	CONTROLLER EXECUTION, REDUNDANCY, AND PROJECT BACKUP
SYSTEM	ABB Freelance AC 900F DCS
SOURCE CONTROL	Manufacturer-published information only

This separate field reference focuses on controller execution, redundancy, and project backup. It does not replace the current ABB installation, safety, or commissioning instructions.

Manufacturer	ABB
Prepared by	Apter Power
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APTER POWER SALES TEAM

INDUSTRIAL AUTOMATION PRODUCT SUPPORT

Engineering clarity for controller execution, redundancy, and project backup.

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SCAN FOR PRODUCT & QUOTE
PM902F-3BDH001000R0005

1. Pre-Installation Decision Gates

Step	Gate	Required evidence
1	Identity	Match every character of PM902F-3BDH001000R0005; photograph all labels, revisions, and option markings.
2	Host architecture	Confirm the exact ABB Freelance AC 900F DCS rack, slot, controller, project, and approved topology.
3	Primary risk	Document the evidence for controller execution, redundancy, and project backup before disconnection or energization.
4	Electrical / signal	Verify supply, signal type, range, polarity, grounding, shielding, pinout, and load from the exact manufacturer document.
5	Lifecycle	ABB's current AC 900F product information presents PM 902F within the active Freelance controller portfolio. Confirm the complete R0005 ordering status with ABB.
6	Commissioning	Use the manufacturer test procedure, capture measured results, and obtain release authorization before return to service.

Model-Specific Precautions

- Match every character of PM902F-3BDH001000R0005 to the physical nameplate before work.
- Use the exact ABB manual, wiring drawing, and safety instructions for the installed revision.
- De-energize and apply the required lockout, discharge, ESD, and stored-energy controls before removal.
- Back up firmware, parameters, controller project, calibration, and network settings where applicable.
- Verify supply, signal type, polarity, grounding, shielding, connector pinout, load, and environmental limits.
- Commission with the manufacturer test procedure and record results before returning equipment to service.

2. Wiring, Configuration and Commissioning Record

Record item	Site entry
Physical model / article	
Serial / hardware revision	
Host system / machine	
Rack / slot / physical location	
Supply and grounding checked	
Signal type / range / pinout	
Firmware / project / calibration backup	
Functional or safety test result	
Technician / reviewer / date	

Stop Condition

Do not energize PM902F-3BDH001000R0005 if any suffix, supply, pinout, host-system assignment, safety classification, or controller execution, redundancy, and project backup requirement remains unresolved.

3. Source Basis and Field Handover

Official manufacturer source

ABB AC 900F controller product page and Freelance DCS Product Catalog covering PM 902F revision 3BDH001000R0005.

<https://www.abb.com/global/en/areas/automation/control-systems/freelance/controllers-io/ac-900f>

Handover Checklist

Handover item	Status
Manufacturer document attached	
Nameplate photographs archived	
Project / settings backup archived	
Test evidence approved	
Lifecycle or migration action recorded	

Important Notice

This Apter Power checklist is not a ABB installation instruction. The current manufacturer documentation, physical nameplate, host-equipment manual, safety study, and site procedures control all work.

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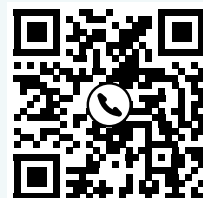
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