

APTER POWER INSTALLATION & VERIFICATION REFERENCE

SA811F-3BDH000013R1

Field checklist for power conversion and controlled power-fail response

ENGINEERING LENS	POWER CONVERSION AND CONTROLLED POWER-FAIL RESPONSE
SYSTEM	ABB Freelance AC 800F
SOURCE CONTROL	Manufacturer-published information only

This separate field reference focuses on power conversion and controlled power-fail response. It does not replace the current ABB installation, safety, or commissioning instructions.

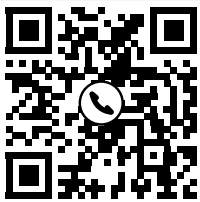
Manufacturer	ABB
Prepared by	Apter Power
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APTER POWER SALES TEAM

INDUSTRIAL AUTOMATION PRODUCT SUPPORT

Engineering clarity for power conversion and controlled power-fail response.

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SA811F-3BDH000013R1

1. Pre-Installation Decision Gates

Step	Gate	Required evidence
1	Identity	Match every character of SA811F-3BDH000013R1; photograph all labels, revisions, and option markings.
2	Host architecture	Confirm the exact ABB Freelance AC 800F rack, slot, controller, project, and approved topology.
3	Primary risk	Document the evidence for power conversion and controlled power-fail response 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 continues to list SA811F in official spare-parts material, while the reviewed product catalog does not state a current lifecycle phase for this exact article.
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 SA811F-3BDH000013R1 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 SA811F-3BDH000013R1 if any suffix, supply, pinout, host-system assignment, safety classification, or power conversion and controlled power-fail response requirement remains unresolved.

3. Source Basis and Field Handover

Official manufacturer source

ABB Freelance DCS Product Catalog, SA 811F section, article 3BDH000013R1.

<https://library.e.abb.com/public/46dca10f2c7846ab971cfbae4f331f68/3BDD015188%20en%20E%20Freelance%20DCS%20Product%20Catalog.pdf>

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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