

ABB ADVANT AC800F-FREELANCE

Product Data Sheet

3BDH001000R0005 PM902F

central processing unit

FUNCTION central processing unit	FAMILY ABB Advant AC800F-Freelance	ORIGIN Switzerland	WEIGHT 1.1 kg
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ABB Advant AC800F-Freelance 3BDH001000R0005 PM902F is a central processing unit for the ABB Advant AC800F-Freelance. The values below are limited to the exact documented article.

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VERIFIED TECHNICAL DATA

Operating Temperature	-40°C to +70°C
Certifications	SIL3 (IEC 61508), Class 1 Div 2
Redundancy:	Hot standby (1+1) with <100ms switchover
Storage Temperature	-40°C to +85°C
Humidity	5-95% non-condensing
Supply Voltage	24VDC (19.2-30V)
Power Consumption	12W typical
Isolation	1500VAC
Dual-Core Processor	1.2 GHz Power Architecture
Memory	512MB DDR3 RAM + 1GB Flash

ADDITIONAL PRODUCT DATA

Exact Article Code	3BDH001000R0005 PM902F
Board Designation	PM902F
Product Family	ABB Advant AC800F-Freelance
Component Type	Central Processing Unit
Assembly Class	ABB PCB assembly

OFFICIAL APPLICATIONS

- Operate the documented central processing unit: Use 3BDH001000R0005 PM902F only in the ABB Advant AC800F-Freelance equipment position identified by the installed hardware list. Match the complete ABB article code, board designation and electrical interface before work begins.
- Restore every recorded connection: Photograph connector keying, terminal references, cable routing, protective earth and adjacent assemblies for 3BDH001000R0005 PM902F. Reconnect the documented interface without changing the approved cabinet arrangement.
- Validate diagnostics before release: After installing 3BDH001000R0005 PM902F, check power-up indications, controller or converter diagnostics and the affected control function. Record measured results and maintenance acceptance before returning the equipment to service.

SYSTEM COMPATIBILITY

Match 3BDH001000R0005 PM902F to the installed ABB Advant AC800F-Freelance, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

OFFICIAL SOURCES

[ABB ABB Advant AC800F-Freelance documentation](#)

<https://new.abb.com/control-systems>

AMIKON PRODUCT SUPPORT

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