

Installation Identity and Scope

ABB PM632 3BSE005831R1 is a processor unit for Advant Controller 110. ABB identifies the processor as an MC68000 operating at 16 MHz and lists a dedicated battery replacement kit.

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	PM632 3BSE005831R1
Manufacturer	ABB
Hardware role	Processor Unit
System family	Advant Controller 110

Controlled engineering copy

Retain PM632 and 3BSE005831R1 as one item identity. Back up the controller application and installed hardware configuration before replacing the processor unit.

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Pre-Installation Plan

NO.	REQUIRED ACTION
1	Verify ABB PM632 3BSE005831R1 before work.
2	Back up the complete controller application and current configuration.
3	Record the rack, slot, communication links and connected I/O arrangement.
4	Follow the approved battery-retention procedure before disturbing the processor unit.
5	Use only the documented GJR5146300R9 battery replacement kit where applicable.
6	Use ESD controls and inspect the backplane connector before insertion.
7	Do not infer compatibility from the PM632 name without checking 3BSE005831R1.
8	Verify diagnostics, communication, application execution and affected I/O before release.

Before Energization

CONTROL	REQUIRED RECORD
Identity	Complete PM632 3BSE005831R1 marking and hardware role
Connections	Approved power, grounding and protocol interfaces
Configuration	Controlled backup, addressing and protocol files
Test plan	Defined acceptance values and controlled restart authority

Related Products

MODEL	APTER POWER PAGE
ABB DSTK221L3 3BSC950164R30	View ABB DSTK221L3 3BSC950164R30
ABB NTCS04	View ABB NTCS04
ABB NTCL01	View ABB NTCL01

Release hold point

Do not disturb the installed device until exact marking, interfaces, companion hardware and configured function are documented.

Wiring, Network and Configuration Checks

CHECK	MODEL-SPECIFIC REQUIREMENT
Product type	Processor unit
Controller family	Advant Controller 110
Processor	MC68000
Clock frequency	16 MHz
Battery replacement kit	GJR5146300R9
Lifecycle status	No longer for sale
ABB product category	Control Systems / Advant OCS / Advant Controller 110 / Central Units

Configuration boundary

Retain PM632 and 3BSE005831R1 as one item identity. Back up the controller application and installed hardware configuration before replacing the processor unit.

Expected Technical Values

PARAMETER	VALUE
Product identity	PM632
ABB item	3BSE005831R1
Product type	Processor unit
Controller family	Advant Controller 110

Related Products

MODEL	APTER POWER PAGE
ABB NTDO02	View ABB NTDO02
ABB NTDI02	View ABB NTDI02
ABB NTAI04	View ABB NTAI04

Commissioning and Acceptance

TEST	ACCEPTANCE CONDITION
Identity	Manufacturer and complete PM632 3BSE005831R1 marking match the record.
Power	Measured supply agrees with the documented operating requirement.
Interface	Connectors, addressing and network parameters match the approved project.
Configuration	Protocol files, framing and mapped data areas match the controlled backup.
Diagnostics	No unexplained status, counter or communication fault remains.
Functional proof	Controlled bidirectional data transfer completes successfully.
Release	Final values and test results are retained with restart approval.

Questions to Resolve

QUESTION	ENGINEERING ANSWER
What is ABB PM632 3BSE005831R1?	It is the processor unit for an Advant Controller 110.
Which processor is used in ABB PM632 3BSE005831R1?	ABB identifies an MC68000 processor.

Related Products

MODEL	APTER POWER PAGE
ABB NTCL01	View ABB NTCL01
ABB NTDO02	View ABB NTDO02
ABB NTDI02	View ABB NTDI02
ABB NTAI04	View ABB NTAI04
ABB DSSS170 48970001-A	View ABB DSSS170 48970001-A

Source, Related Products and Release

MODEL	APTER POWER PAGE
ABB IMSET01	View ABB IMSET01
ABB IMASO11	View ABB IMASO11
ABB IMASI03	View ABB IMASI03
ABB DSTK221L3 3BSC950164R30	View ABB DSTK221L3 3BSC950164R30
ABB NTCS04	View ABB NTCS04

MANUFACTURER SOURCE RECORDS

1. ABB PM632 3BSE005831R1 Product Details Record
2. ABB Advant Controller 110 Central Units Catalog Record

Controlled Release Summary

RELEASE ITEM	REQUIRED EVIDENCE
Identity	PM632 3BSE005831R1 recorded
Interface	Connections and companion hardware verified
Configuration	Installed values agree with approved record
Functional proof	Controlled test completed without unexplained fault

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