

Installation Identity and Scope

ABB PM864AK02 3BSE018164R1 is an AC 800M redundant processor unit for ABB System 800xA control platforms. The ABB catalog identifies a package of two PM864AK01 processor units with TK850 CEX-bus expansion and TK851 RCU-Link cables.

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	PM864AK02 3BSE018164R1
Manufacturer	ABB
Hardware type	Redundant Processor Unit
System family	AC 800M / System 800xA
Official source	ABB System 800xA Product Catalog 5.1; PM864AK02 3BSE018164R1 package

CONTROLLED ENGINEERING COPY

Before commissioning ABB PM864AK02 3BSE018164R1, verify the AC 800M controller identity, redundant pair, TP830/baseplate arrangement and TK850/TK851 connections. Confirm the configured System 800xA controller project before release.

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PM864AK02 3BSE018164R1

Pre-Installation Plan

NO.	REQUIRED ACTION
1	Verify ABB PM864AK02 3BSE018164R1 marking and package identity.
2	Isolate controller power and the baseplate before replacement.
3	Confirm the redundant PM864AK01 processor pair.
4	Check TP830/baseplate and TK850 CEX-bus connections.
5	Check TK851 RCU-Link cabling and redundancy status.

Matched Hardware

CONTROL ITEM	REQUIRED RECORD
Identity	PM864AK02 3BSE018164R1
Physical interface	AC 800M controller
Companion check	PM864AK01 pair
Configuration	TP830 baseplate
Functional proof	TK850 / TK851

RELEASE HOLD POINT

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

Wiring and Interface Checks

CHECK	MODEL-SPECIFIC REQUIREMENT
Processor pair	Confirm two PM864AK01 units
CEX bus	Confirm TK850 connection
RCU link	Confirm TK851 connection

CONFIGURATION BOUNDARY

Before commissioning ABB PM864AK02 3BSE018164R1, verify the AC 800M controller identity, redundant pair, TP830/baseplate arrangement and TK850/TK851 connections. Confirm the configured System 800xA controller project before release.

Expected Technical Values

PARAMETER	VALUE
Product family	AC 800M
Unit type	Redundant Processor Unit
Article number	3BSE018164R1
Included processors	2 × PM864AK01

Commissioning and Acceptance

TEST	ACCEPTANCE CONDITION
Identity	PM864AK02 and article recorded
Redundancy	Processor pair and cabling verified
Function	Controlled switchover test passed

Technical Questions to Resolve

QUESTION	ENGINEERING ANSWER
What is ABB PM864AK02 3BSE018164R1?	An AC 800M redundant processor unit for ABB System 800xA.
How many processors are included?	The catalog package includes two PM864AK01 processor units.
Which cables are specified?	TK850 CEX-bus expansion and TK851 RCU-Link cables.
What controller family is used?	ABB AC 800M.

Source, Related Products and Release

MODEL	APTER POWER PAGE
ABB DSBC174 3BSE012211R1	View ABB DSBC174 3BSE012211R1
ABB TU831V1 3BSE013235R1	View ABB TU831V1 3BSE013235R1
ABB DI811 3BSE008552R1	View ABB DI811 3BSE008552R1

MANUFACTURER SOURCE RECORD

ABB 3BSE062937_E System 800xA Product Catalog
 ABB System 800xA Product Catalog 5.1; PM864AK02 3BSE018164R1 package

Controlled Release Summary

RELEASE ITEM	REQUIRED EVIDENCE
Identity	PM864AK02 3BSE018164R1 recorded
Interface	Connections and companion hardware verified
Configuration	Installed values agree with approved record
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