P-HB-AIN-2200C100 PHBAIN2200C100 AIN-220

Harmony Analog Input Base

ABB P-HB-AIN-2200C100 PHBAIN2200C100 AIN-220 Harmony Analog Input Base with exact-model technical data, controlled replacement guidance and product-specific verification records.

P-HB-AIN-2200C100 PHBAIN2200C100 AIN-220 configuration dashboard

Field-termination foundation

The base carries the installed clamp, cable and field-wiring relationship for the analog input assembly.

Harmony block pairing

Base execution and fitted input module are treated as a matched installed arrangement.

Non-redundant service boundary

Replacement planning preserves the documented single-base wiring and process-isolation strategy.

Exact order-code identity

Complete product reference	P-HB-AIN-2200C100 PHBAIN2200C100 AIN-220
Product type	Harmony Analog Input Base
System platform	ABB Harmony Block I/O
Complete reference	P-HB-AIN-2200C100
Compact reference	PHBAIN2200C100
Function designation	AIN-220
Product class	Analog input base
I/O family	Harmony Block I/O

P-HB-AIN-2200C100, compact reference PHBAIN2200C100 and designation AIN-220 identify an ABB Harmony analog input base.

Harmony Analog Input Base technical capability map

System family	Bailey Infi 90 / Net 90 installed base
Redundancy execution	Non-redundant base execution
Field-wiring boundary	Terminal and cable identity retained
Replacement basis	Complete marking and installed-system evidence

Termination role	Clamp and cable termination base
Installed module boundary	Input module confirmed separately
Selection basis	Complete marking and base/module pairing

Installed signal or connection path

Field signal > **Termination block** > **P-HB-AIN-2200C100 PHBAIN2200C100 AIN-220** > **LocalBus** > **Control strategy**

System interpretation boundary

The base provides clamp/cable termination for a non-redundant I/O arrangement; the fitted electronics, terminal assignments and loop types must be confirmed from the installed block and drawings.

Before exchange, label every field conductor and capture the base/module pairing. After installation, verify loop power, representative input values and controller diagnostics channel by channel.

Application fit decisions for P-HB-AIN-2200C100 PHBAIN2200C100 AIN-220

Harmony analog input termination

Retain the field-wire and installed-module relationship.

Bailey installed-base maintenance

Restore the documented base, module and controller assignment.

Loop migration preparation

Record terminal maps and signal types before any system change.

Spare-base verification

Compare complete reference, clamp style and module pairing.

Engineering decision matrix

How should the base and electronics pairing be verified for P-HB-AIN-2200C100 PHBAIN2200C100 AIN-220?	Record the complete base marking, fitted analog-input electronics and clamp or cable execution as one installed arrangement.
Which terminal information must be captured before replacing P-HB-AIN-2200C100 PHBAIN2200C100 AIN-220?	Label every field conductor and record terminal number, signal type, loop polarity and associated controller channel.
How should loop power be handled when servicing P-HB-AIN-2200C100 PHBAIN2200C100 AIN-220?	Identify externally and internally powered loops, isolate them under the site procedure and prove safe voltage before moving conductors.
What does the non-redundant execution of P-HB-AIN-2200C100 PHBAIN2200C100 AIN-220 change during maintenance?	Plan an approved process outage or alternate measurement because the documented base does not provide a second live termination path.

Applications must be evaluated against the exact installed machine drawing, target, companion hardware and receiving channel. Related product references do not imply substitution.

P-HB-AIN-2200C100 PHBAIN2200C100 AIN-220 service controls and maintenance logic

Record the base/module pairing

Capture the base, clamp, cable and fitted electronics as one assembly.

Label every loop conductor

Preserve terminal, polarity, signal type and controller-channel identity.

Plan non-redundant isolation

Provide the approved outage or alternate measurement path.

Check loop power

Prove safe voltage before moving field wiring.

Inspect clamp engagement

Verify keying, connector seating and shield termination.

Prove representative inputs

Compare terminal signal, module diagnostic and controller value.

Additional technical questions

How should clamp and cable compatibility be checked for P-HB-AIN-2200C100 PHBAIN2200C100 AIN-220?	Compare mechanical keying, connector style, cable assembly and terminal assignment with the installed Harmony block drawing.
How can a single bad input associated with P-HB-AIN-2200C100 PHBAIN2200C100 AIN-220 be isolated?	Inject or measure the field signal at the terminal and compare loop power, base continuity, fitted module diagnostics and controller value.
What inspection is required before energizing P-HB-AIN-2200C100 PHBAIN2200C100 AIN-220?	Check conductor seating, polarity, shield termination, clamp engagement and separation from hazardous voltage circuits.

What proves acceptance of P-HB-AIN-2200C100 PHBAIN2200C100 AIN-220 after replacement?	Verify representative loop values, channel diagnostics and controller scaling, then retain the final terminal map and test record.

Technical notes

Exact identity	P-HB-AIN-2200C100 PHBAIN2200C100 AIN-220
Documented function	Harmony Analog Input Base
Technical evidence	ABB Harmony Block I/O installed-base product identity
Verification boundary	Confirm the complete marking and installed ABB Harmony Block I/O arrangement before selection

P-HB-AIN-2200C100 PHBAIN2200C100 AIN-220 source record and supported references

Manufacturer reference	ABB Harmony Block I/O installed-base product identity
Applicability	Facts are limited to the exact order-code selections and stated matched-system conditions.
Public page	Exact product page linked from the first-page model title
Evidence boundary	No neighboring-model option or unsupported lifecycle conclusion is assigned to this product.

Verified related product references and contact

Recommended product	ABB DSQC406 3HAC035301-001
Recommended product	ABB DSQC604 3HAC12928-1
Recommended product	ABB DSQC608 3HAC12934-1
Recommended product	ABB DSQC611 3HAC13389-2
Recommended product	ABB DSQC652 3HAC025917-001

Discuss the exact marking and installed relationship with Apter Power.
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