

ABB AC 800PEC

Product Data Sheet

3BHE025335R1121 PDD205A1121

industrial motherboard

FUNCTION industrial motherboard	FAMILY ABB AC 800PEC	ORIGIN Switzerland	WEIGHT 0.10 kg
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ABB AC 800PEC 3BHE025335R1121 PDD205A1121 is a industrial motherboard for the ABB AC 800PEC. The values below are limited to the exact documented article.

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VERIFIED TECHNICAL DATA

Backplane Power	5 V DC
RAM Slots	2× DDR4 SO-DIMM
Storage	Integrated 16 GB flash
Operating	-40°C to +70°C
Humidity	5–95% non-condensing
MTBF	>250,000 hours
Exact Article Code	3BHE025335R1121 PDD205A1121
Board Designation	PDD205A1121
Product Family	ABB AC 800PEC
Component Type	Industrial Motherboard

Assembly Class	ABB PCB assembly
System Interface	ABB AC 800PEC control interface
Control Supply	Documented rack control supply
Connector Interface	Keyed ABB board connectors
Installation Format	Plug-in control board

- Govern generator excitation with Industrial Motherboard: Inside the field circuits and voltage regulation, 3BHE025335R1121 PDD205A1121 operates in its approved product-family role as a industrial motherboard. During load change, the system uses this function to adjust the assigned regulation path from operating feedback, helping it hold the electrical variable at its commanded target.
- Track compressor-train operation with Industrial Motherboard: Inside the compressors, seals and antisurge loops, 3BHE025335R1121 PDD205A1121 operates in its approved product-family role as a industrial motherboard. During throughput change, the system uses this function to coordinate the control and protection signals for the train, helping it keep the rotating train inside its operating envelope.
- Supervise dryer-section control with Industrial Motherboard: In the automation chain for the steam groups and dryer drives, 3BHE025335R1121 PDD205A1121 handles its designated signal or control duty as a industrial motherboard. During moisture correction, the system uses this function to align thermal and drive response with the running sheet, helping it support the target moisture profile.

Match 3BHE025335R1121 PDD205A1121 to the installed ABB AC 800PEC, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

[ABB ABB AC 800PEC documentation](#)

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

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