

ABB AC 800PEC

Product Data Sheet

3BHE016842R0101 UAD144 A101

industrial controller board

FUNCTION industrial controller board	FAMILY ABB AC 800PEC	ORIGIN Switzerland	WEIGHT 0.30 kg
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ABB AC 800PEC 3BHE016842R0101 UAD144 A101 is a industrial controller board for the ABB AC 800PEC. The values below are limited to the exact documented article.

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VERIFIED TECHNICAL DATA

Rack Supply	+5 V dc $\pm 5\%$
Power Dissipation	≤ 15 W typical
Memory	1 GB DDR3
Analog Inputs	16 $\times$ ± 10 V 16-bit
Isolation	2500 V dc power-to-earth
Operating Temp	$-20\text{ }^{\circ}\text{C} \dots +60\text{ }^{\circ}\text{C}$
Humidity	5 – 95 % RH non-condensing
Exact Article Code	3BHE016842R0101 UAD144 A101
Board Designation	UAD144 A101
Product Family	ABB AC 800PEC

Component Type	Industrial Controller Board
Assembly Class	ABB PCB assembly
System Interface	ABB AC 800PEC control interface
Control Supply	Documented rack control supply
Connector Interface	Keyed ABB board connectors

- Control raw-water pumping with Industrial Controller: As part of the intake pumps and wet wells, 3BHE016842R0101 UAD144 A101 serves its documented function as a industrial controller board. During peak-flow demand, the system uses this function to coordinate pump duty and level response, helping it maintain hydraulic continuity.
- Govern boiler feedwater with Industrial Controller: During operation of the feed pumps and drum-level loops, 3BHE016842R0101 UAD144 A101 provides its specified system function as a industrial controller board. During protective transfer, the system uses this function to balance flow demand with process inventory, helping it preserve the steam-water balance.
- Integrate clean-in-place transfer with Industrial Controller: At the control layer of the CIP supply and return headers, 3BHE016842R0101 UAD144 A101 performs its assigned control role as a industrial controller board. During sanitation transition, the system uses this function to coordinate valve paths and pump availability, helping it complete sanitation without cross-routing product.

Match 3BHE016842R0101 UAD144 A101 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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