

ABB AC 800PEC

# Product Data Sheet

**3BHE023681R0101 UCD224A101**

industrial control board

|                                      |                         |                       |                   |
|--------------------------------------|-------------------------|-----------------------|-------------------|
| FUNCTION<br>industrial control board | FAMILY<br>ABB AC 800PEC | ORIGIN<br>Switzerland | WEIGHT<br>0.38 kg |
|--------------------------------------|-------------------------|-----------------------|-------------------|

ABB AC 800PEC 3BHE023681R0101 UCD224A101 is a industrial control board for the ABB AC 800PEC. The values below are limited to the exact documented article.

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## VERIFIED TECHNICAL DATA

|                       |                               |
|-----------------------|-------------------------------|
| Analog Inputs         | 4 channels                    |
| Digital I/O           | 8-16 configurable channels    |
| Operating Temperature | -20°C to +70°C                |
| Storage Temperature   | -40°C to +85°C                |
| Humidity              | 5-95% RH (non-condensing)     |
| Supply Voltage        | 24V DC (±10%)                 |
| Power Consumption     | 15W (typical)                 |
| Operating Current     | 0.5-1A                        |
| Isolation Voltage     | 2000V AC                      |
| Main Processor        | 32-bit DSP or microcontroller |

## ADDITIONAL PRODUCT DATA

|                    |                            |
|--------------------|----------------------------|
| Clock Speed        | 100-200MHz                 |
| Exact Article Code | 3BHE023681R0101 UCD224A101 |
| Board Designation  | UCD224A101                 |
| Product Family     | ABB AC 800PEC              |
| Component Type     | Industrial Control Board   |

## OFFICIAL APPLICATIONS

- Synchronize turbine auxiliary control with Industrial Control: Inside the lube-oil pumps and turning gear, 3BHE023681R0101 UCD224A101 supports the configured automation role as a industrial control board. During unit run-up, the system uses this function to coordinate permissives and auxiliary equipment states, helping it support a stable transition to rated operation.
- Monitor reactor charging with Industrial Control: Inside the feed valves, vessels and agitators, 3BHE023681R0101 UCD224A101 supports the configured automation role as a industrial control board. During batch initiation, the system uses this function to sequence the material path against vessel readiness, helping it begin the reaction from a verified state.
- Maintain stock preparation with Industrial Control: At the control layer of the pulp chests and refiners, 3BHE023681R0101 UCD224A101 performs its assigned control role as a industrial control board. During grade change, the system uses this function to coordinate flow, consistency and equipment permissives, helping it deliver stable stock to the machine.

## SYSTEM COMPATIBILITY

Match 3BHE023681R0101 UCD224A101 to the installed ABB AC 800PEC, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

## OFFICIAL SOURCES

[ABB ABB AC 800PEC documentation](#)

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

AMIKON PRODUCT SUPPORT

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