

ABB AC 800PEC

Product Data Sheet

3BHE024820R0101 PPD234A101

industrial control module assembly

FUNCTION industrial control module assembly	FAMILY ABB AC 800PEC	ORIGIN Switzerland	WEIGHT 2.76 kg
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ABB AC 800PEC 3BHE024820R0101 PPD234A101 is a industrial control module assembly for the ABB AC 800PEC. The values below are limited to the exact documented article.

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VERIFIED TECHNICAL DATA

Ethernet	10/100 Mbps TCP/IP
Serial	RS-232/RS-485
Operating Temperature	-25°C to +70°C
Storage Temperature	-40°C to +85°C
Humidity	5–95% RH (non-condensing)
Operating Voltage	24V DC (±10%)
Power Consumption	5–10W
Isolation	1500V AC
CPU	32-bit RISC-based processor
Clock Speed	100–200 MHz

Memory Flash	16–32 MB
Digital I/O	24V DC
Exact Article Code	3BHE024820R0101 PPD234A101
Board Designation	PPD234A101
Product Family	ABB AC 800PEC

- Regulate terminal transfer with Industrial Control: At the control layer of the loading pumps and metering runs, 3BHE024820R0101 PPD234A101 supports the configured automation role as a industrial control module assembly. During transfer start, the system uses this function to prove the flow path before product movement, helping it start transfer with the intended containment path.
- Regulate generator excitation with Industrial Control: As part of the field circuits and voltage regulation, 3BHE024820R0101 PPD234A101 provides its specified system function as a industrial control module assembly. 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.
- Control aeration control with Industrial Control: During operation of the blowers and dissolved-oxygen loops, 3BHE024820R0101 PPD234A101 handles its designated signal or control duty as a industrial control module assembly. During changing oxygen demand, the system uses this function to adjust air delivery from process feedback, helping it stabilize treatment performance.

Match 3BHE024820R0101 PPD234A101 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](#)

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