

ABB AC 800PEC

Product Data Sheet

3BHE044481R0101 PPE091A101

industrial controller module

FUNCTION industrial controller module	FAMILY ABB AC 800PEC	ORIGIN Switzerland	WEIGHT 0.05 kg
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ABB AC 800PEC 3BHE044481R0101 PPE091A101 is a industrial controller module for the ABB AC 800PEC. The values below are limited to the exact documented article.

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VERIFIED TECHNICAL DATA

Operating Temperature	-20°C to +70°C
Humidity Tolerance	5–95% RH
Clock Speed	800 MHz – 1.5 GHz
RAM	2 GB DDR4
Operating Voltage	24 V DC
Power Consumption	≤18 W
Isolation	≥3000 V AC
Ethernet Interfaces	2× Gigabit ports
Discrete I/O	12–24 V DC
Analog Interfaces	4–8 channels

ADDITIONAL PRODUCT DATA

Exact Article Code	3BHE044481R0101 PPE091A101
Board Designation	PPE091A101
Product Family	ABB AC 800PEC
Component Type	Industrial Controller Module
Assembly Class	ABB PCB assembly

OFFICIAL APPLICATIONS

- Supervise pipeline pumping with Industrial Controller: Inside the mainline pumps and block valves, 3BHE044481R0101 PPE091A101 handles its designated signal or control duty as a industrial controller module. During equipment switchover, the system uses this function to align pump duty with pressure and flow demand, helping it maintain controlled movement through the line.
- Coordinate generator excitation during load change: As part of the field circuits and voltage regulation, 3BHE044481R0101 PPE091A101 operates in its approved product-family role as a industrial controller module. 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.
- Coordinate filtration backwash with Industrial Controller: In the automation chain for the filter cells and backwash valves, 3BHE044481R0101 PPE091A101 serves its documented function as a industrial controller module. During filter loading, the system uses this function to sequence isolation, drain and rinse paths, helping it return the filter to production in a known state.

SYSTEM COMPATIBILITY

Match 3BHE044481R0101 PPE091A101 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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