

ABB AC 800PEC

Product Data Sheet

3BHE031482R0101 XXD863 A101

industrial control circuit board

FUNCTION industrial control circuit board	FAMILY ABB AC 800PEC	ORIGIN Switzerland	WEIGHT 0.40 kg
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ABB AC 800PEC 3BHE031482R0101 XXD863 A101 is a industrial control circuit board for the ABB AC 800PEC. The values below are limited to the exact documented article.

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VERIFIED TECHNICAL DATA

Backplane Interface	PCI Express (via carrier slot)
Operating Temp	-40°C to +70°C (-40°F to +158°F)
Certifications	UL, CE, ATEX Zone 2, SIL 2
Processor	Dual-core CPU
Memory	512 MB RAM
Flash Storage	1 GB internal
Power Supply	24 V DC
2x Ethernet (RJ45)	10/100/1000 Mbps
1x Serial (RS-232/485)	For legacy devices (MODBUS RTU).
1x USB 2.0	For engineering access.

ADDITIONAL PRODUCT DATA

Exact Article Code	3BHE031482R0101 XXD863 A101
Board Designation	XXD863 A101
Product Family	ABB AC 800PEC
Component Type	Industrial Control Circuit Board
Assembly Class	ABB PCB assembly

OFFICIAL APPLICATIONS

- Supervise aeration control with Industrial Control: For the coordinated operation of the blowers and dissolved-oxygen loops, 3BHE031482R0101 XXD863 A101 serves its documented function as a industrial control circuit board. During changing oxygen demand, the system uses this function to adjust air delivery from process feedback, helping it stabilize treatment performance.
- Support utility distribution with Industrial Control: In the automation chain for the steam, cooling and instrument-air headers, 3BHE031482R0101 XXD863 A101 operates in its approved product-family role as a industrial control circuit board. During utility constraint, the system uses this function to prioritize process users from measured demand, helping it protect production continuity during the constraint.
- Supervise terminal transfer during transfer start: Across the loading pumps and metering runs, 3BHE031482R0101 XXD863 A101 performs its assigned control role as a industrial control circuit board. 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.

SYSTEM COMPATIBILITY

Match 3BHE031482R0101 XXD863 A101 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

+86-18020776786

INFO@AMIKON.CN

AMIKONG.COM