

ABB AC 800PEC

Product Data Sheet

3BHE032025R0101 PCD235A101

exciter control module

FUNCTION exciter control module	FAMILY ABB AC 800PEC	ORIGIN Switzerland	WEIGHT 1.40 kg
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ABB AC 800PEC 3BHE032025R0101 PCD235A101 is a exciter control 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 +60°C
Storage Temperature	-40°C to +85°C
Humidity	5-95% RH (non-condensing)
Supply Voltage	110/220V AC ±10%
Power Consumption	≤15W
Generator current	0-5A AC (CT input)
Field voltage	±200V DC
Field current	±5V DC
Exact Article Code	3BHE032025R0101 PCD235A101
Board Designation	PCD235A101

Product Family	ABB AC 800PEC
Component Type	Exciter Control Module
Assembly Class	ABB PCB assembly
System Interface	ABB AC 800PEC control interface
Control Supply	Documented rack control supply

- Verify utility distribution with Exciter Control: During operation of the steam, cooling and instrument-air headers, 3BHE032025R0101 PCD235A101 supports the configured automation role as a exciter control module. During utility constraint, the system uses this function to prioritize process users from measured demand, helping it protect production continuity during the constraint.
- Coordinate generator excitation with Exciter Control: Inside the field circuits and voltage regulation, 3BHE032025R0101 PCD235A101 supports the configured automation role as a exciter control 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.
- Control aseptic filling with Exciter Control process control: Inside the fillers and container conveyors, 3BHE032025R0101 PCD235A101 performs its assigned control role as a exciter control module. During line-speed ramp, the system uses this function to keep container flow synchronized with filling demand, helping it move accepted containers toward inspection.

Match 3BHE032025R0101 PCD235A101 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>

AMIKON PRODUCT SUPPORT

+86-18020776786

INFO@AMIKON.CN

AMIKONG.COM