

ABB AC 800PEC

Product Data Sheet

3BHE025541R0101 PCD231B

communications i/o module

FUNCTION communications i/o module	FAMILY ABB AC 800PEC	ORIGIN Switzerland	WEIGHT 1.35 kg
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ABB AC 800PEC 3BHE025541R0101 PCD231B is a communications i/o module for the ABB AC 800PEC. The values below are limited to the exact documented article.

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VERIFIED TECHNICAL DATA

Operating Temp	-25°C to +60°C
Storage Temp	-40°C to +85°C
Humidity	5–95% RH (non-condensing)
Supply Voltage	24V DC (±10%)
Power Consumption	4W (typical)
Output Isolation	3000V AC
Data Rates	9.6 kbps – 12 Mbps
Isolation	1500V AC
PC D231 B	PEC80-CCI
Exact Article Code	3BHE025541R0101 PCD231B

ADDITIONAL PRODUCT DATA

Board Designation	PCD231B
Product Family	ABB AC 800PEC
Component Type	Communications I/O Module
Assembly Class	ABB PCB assembly
System Interface	ABB AC 800PEC control interface

OFFICIAL APPLICATIONS

- Sequence aseptic filling with Communications I: Within the fillers and container conveyors, 3BHE025541R0101 PCD231B supports the configured automation role as a communications i/o 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.
- Align pipeline pumping during equipment switchover: At the control layer of the mainline pumps and block valves, 3BHE025541R0101 PCD231B performs its assigned control role as a communications i/o 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.
- Supervise generator excitation with Communications I: Within the field circuits and voltage regulation, 3BHE025541R0101 PCD231B provides its specified system function as a communications i/o 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.

SYSTEM COMPATIBILITY

Match 3BHE025541R0101 PCD231B 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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