

ABB AC 800PEC

Product Data Sheet

3BHE022291R0101 PCD230A

communications i/o module

FUNCTION communications i/o module	FAMILY ABB AC 800PEC	ORIGIN Switzerland	WEIGHT 1.55 kg
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ABB AC 800PEC 3BHE022291R0101 PCD230A 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 Temperature	-25°C to +60°C
Storage Temperature	-40°C to +85°C
Relative Humidity	5-95% (non-condensing)
Supply Voltage	24V DC (±10%)
Power Consumption	3.5W (typical)
Data Rate	9.6kbps to 12Mbps
Connector Type	9-pin D-sub
Isolation	1500V AC
Exact Article Code	3BHE022291R0101 PCD230A
Board Designation	PCD230A

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

- Verify clean-in-place transfer with Communications I: As part of the CIP supply and return headers, 3BHE022291R0101 PCD230A operates in its approved product-family role as a communications i/o module. During sanitation transition, the system uses this function to coordinate valve paths and pump availability, helping it complete sanitation without cross-routing product.
- Align stock preparation with Communications I: At the control layer of the pulp chests and refiners, 3BHE022291R0101 PCD230A supports the configured automation role as a communications i/o module. During grade change, the system uses this function to coordinate flow, consistency and equipment permissives, helping it deliver stable stock to the machine.
- Coordinate terminal transfer during transfer start: Inside the loading pumps and metering runs, 3BHE022291R0101 PCD230A handles its designated signal or control duty as a communications i/o module. 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.

Match 3BHE022291R0101 PCD230A 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>

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