

ABB AC 800PEC

Product Data Sheet

3BHE057901R0101 PCD235 C101

exciter control module

FUNCTION exciter control module	FAMILY ABB AC 800PEC	ORIGIN Switzerland	WEIGHT 1.60 kg
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ABB AC 800PEC 3BHE057901R0101 PCD235 C101 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 Temp	-20°C to +55°C
Storage Temp	-40°C to +85°C
Humidity	5-95% RH (non-condensing)
Vibration	2.5G (IEC 60068-2-6)
Power Supply	110/220V AC ±10% or 24/48V DC
Power Consumption	50W (max)
Field Voltage	0-300V DC (adjustable)
Field Current	0-20A DC (continuous)
Control Accuracy	±0.25% of setpoint
Response Time	<10ms

Voltage Regulation	±0.5% of nominal
Frequency Range	40-70 Hz
Stability	<0.1% oscillation
Harmonic Distortion	<1% THD
Exact Article Code	3BHE057901R0101 PCD235 C101

- Integrate gas treatment with Exciter Control process control: At the control layer of the separators, contactors and regeneration skids, 3BHE057901R0101 PCD235 C101 performs its assigned control role as a exciter control module. During process upset, the system uses this function to stabilize vessel and regeneration conditions, helping it restore product specification after the disturbance.
- Supervise ingredient dosing with Exciter Control: For the coordinated operation of the batch vessels and dosing valves, 3BHE057901R0101 PCD235 C101 operates in its approved product-family role as a exciter control module. During batch release, the system uses this function to align measured quantities with the active batch step, helping it hold dosing accuracy through the cycle.
- Support utility distribution with Exciter Control: Inside the steam, cooling and instrument-air headers, 3BHE057901R0101 PCD235 C101 provides its specified system function 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.

Match 3BHE057901R0101 PCD235 C101 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](#)

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