

ABB AC 800PEC

Product Data Sheet

3BHE039905R0101 LTC745A101

voltage drive circuit board

FUNCTION voltage drive circuit board	FAMILY ABB AC 800PEC	ORIGIN Switzerland	WEIGHT 0.44 kg
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ABB AC 800PEC 3BHE039905R0101 LTC745A101 is a voltage drive circuit board for the ABB AC 800PEC. The values below are limited to the exact documented article.

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VERIFIED TECHNICAL DATA

Resolution	12-bit (0.025%)
Accuracy	±0.5% of Full Scale
Response Time	<5ms
MTBF	>100,000 hours
Overvoltage Protection	Auto-cutoff at 12V DC
Short-Circuit Protection	Foldback current limiting
Thermal Shutdown	>85°C
Operating Temperature	-20°C to +60°C
Storage Temperature	-40°C to +85°C
Humidity	5-95% RH (Non-condensing)

ADDITIONAL PRODUCT DATA

Vibration	1.5G (5-500Hz)
Input Voltage	24V DC (±10%)
Output Voltage	0-10V (Programmable)
Current Rating	2A (Max Continuous)
Frequency Range	0-400Hz

OFFICIAL APPLICATIONS

- Control press sequencing with Volta Drive process control: In the automation chain for the feed systems, dies and safety interfaces, 3BHE039905R0101 LTC745A101 operates in its approved product-family role as a volta drive circuit board. During part change, the system uses this function to apply the selected product recipe to the sequence, helping it produce the intended part without skipping an interlock.
- Track paint-shop conveying with Volta Drive process control: In the automation chain for the carrier tracking and booth interfaces, 3BHE039905R0101 LTC745A101 supports the configured automation role as a volta drive circuit board. During carrier accumulation, the system uses this function to route carriers by production status, helping it preserve body order through the process.
- Supervise web transport during format change process control: At the control layer of the unwinders, dancers and pull rolls, 3BHE039905R0101 LTC745A101 serves its documented function as a volta drive circuit board. During format change, the system uses this function to synchronize the driven sections with product position, helping it protect web tension and print registration.

SYSTEM COMPATIBILITY

Match 3BHE039905R0101 LTC745A101 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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