

ABB ADVANT OCS AND ADVANT-800XA

Product Data Sheet

3BHL000391P0101 5SHX1445H0001

power drive board

FUNCTION power drive board	FAMILY ABB Advant OCS and Advant-800xA	ORIGIN Switzerland	WEIGHT 1.20 kg
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ABB Advant OCS and Advant-800xA 3BHL000391P0101 5SHX1445H0001 is a power drive board for the ABB Advant OCS and Advant-800xA. The values below are limited to the exact documented article.

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VERIFIED TECHNICAL DATA

Voltage Rating	4500 V (VCES)
Current Rating	2100 A (ITAVM)
Power Losses	1.0-2.5 kW
Operating Temperature	-40°C to +125°C
Storage Temperature	-40°C to +85°C
Humidity	< 95% RH (non-condensing)
Exact Article Code	3BHL000391P0101 5SHX1445H0001
Board Designation	5SHX1445H0001
Product Family	ABB Advant OCS and Advant-800xA
Component Type	Power Drive Board

Assembly Class	ABB PCB assembly
System Interface	ABB Advant OCS and Advant-800xA control interface
Control Supply	Documented rack control supply
Connector Interface	Keyed ABB board connectors
Installation Format	Plug-in control board

- Stabilize high-lift pump speed during demand increase: For the coordinated operation of the pump motors, discharge headers and pressure loops, 3BHL000391P0101 5SHX1445H0001 performs its assigned control role as a power drive board. During demand increase, the system uses this function to adjust motor speed from the process demand signal, helping it maintain the required pressure with less throttling.
- Align paint-shop conveying with Power Drive process control: For the coordinated operation of the carrier tracking and booth interfaces, 3BHL000391P0101 5SHX1445H0001 operates in its approved product-family role as a power drive board. During carrier accumulation, the system uses this function to route carriers by production status, helping it preserve body order through the process.
- Observe strip transport during threading process control: As part of the bridle rolls and coilers, 3BHL000391P0101 5SHX1445H0001 handles its designated signal or control duty as a power drive board. During threading, the system uses this function to balance speed and torque between connected sections, helping it maintain strip tension through the line.

Match 3BHL000391P0101 5SHX1445H0001 to the installed ABB Advant OCS and Advant-800xA, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

[ABB ABB Advant OCS and Advant-800xA documentation](#)

<https://new.abb.com/control-systems>

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