

ABB ADVANT OCS AND ADVANT-800XA

Product Data Sheet

3BHE041626R0101 PDD405A101

industrial drive control unit

FUNCTION industrial drive control unit	FAMILY ABB Advant OCS and Advant-800xA	ORIGIN Switzerland	WEIGHT 1.25 kg
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ABB Advant OCS and Advant-800xA 3BHE041626R0101 PDD405A101 is a industrial drive control unit 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

Backup Power	Supercapacitor (30ms hold-up)
Operating Temperature	0°C to +60°C
Storage Temperature	-40°C to +85°C
Humidity	5-95% RH (non-condensing)
Vibration Resistance	1G (5-150Hz)
Processor	Dual-core 1.2GHz
Memory	2GB DDR3 RAM
Storage	8GB Flash
Execution Speed	10ms cycle time (typical)
Operating Voltage	24V DC (±10%)

ADDITIONAL PRODUCT DATA

Power Consumption	15W (typical)
Isolation Voltage	1500V AC (field to system)
Exact Article Code	3BHE041626R0101 PDD405A101
Board Designation	PDD405A101
Product Family	ABB Advant OCS and Advant-800xA

OFFICIAL APPLICATIONS

- Balance powertrain assembly with Industrial Drive: Within the machining cells and pallet systems, 3BHE041626R0101 PDD405A101 performs its assigned control role as a industrial drive control unit. During quality-hold release, the system uses this function to hand off part identity with the machine sequence, helping it retain traceability at the next operation.
- Maintain form-fill-seal with Industrial Drive: As part of the film feed, sealing jaws and discharge belts, 3BHE041626R0101 PDD405A101 handles its designated signal or control duty as a industrial drive control unit. During speed ramp, the system uses this function to correct material position before sealing or cutting, helping it keep seals and cuts aligned with the product.
- Monitor paper-machine draws with Industrial Drive: During operation of the press rolls and sectional drives, 3BHE041626R0101 PDD405A101 serves its documented function as a industrial drive control unit. During sheet threading, the system uses this function to maintain speed ratios between machine sections, helping it protect sheet tension during acceleration.

SYSTEM COMPATIBILITY

Match 3BHE041626R0101 PDD405A101 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.

OFFICIAL SOURCES

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

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

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