

ABB ADVANT OCS AND ADVANT-800XA

Product Data Sheet

3BHE006422R0002 UNS2861C-P,V2

governor drive board

FUNCTION governor drive board	FAMILY ABB Advant OCS and Advant-800xA	ORIGIN Switzerland	WEIGHT 0.36 kg
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ABB Advant OCS and Advant-800xA 3BHE006422R0002 UNS2861C-P,V2 is a governor 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

Control Update Rate	500µs
Droop Adjustment	2-10% (software selectable)
Isochronous Mode	±0.05% steady-state
Operating Temp	-25°C to +70°C
Storage Temp	-40°C to +85°C
Humidity	5-95% non-condensing
Supply Voltage	24VDC ±10%
Power Consumption	15W typical
Isolation	1500VAC I/O to logic
Speed Range	0-12,000 RPM

ADDITIONAL PRODUCT DATA

Resolution	0.01% of rated speed
Analog Inputs	16-bit, $\pm 10V$, 4-20mA
Analog Outputs	12-bit, $\pm 10V$
Digital I/O	16x opto-isolated (24VDC)
Servo Outputs	4x (PWM, $\pm 50mA$)

OFFICIAL APPLICATIONS

- Operate the documented governor drive board: Use 3BHE006422R0002 UNS2861C-P,V2 only in the ABB Advant OCS and Advant-800xA equipment position identified by the installed hardware list. Match the complete ABB article code, board designation and electrical interface before work begins.
- Restore every recorded connection: Photograph connector keying, terminal references, cable routing, protective earth and adjacent assemblies for 3BHE006422R0002 UNS2861C-P,V2. Reconnect the documented interface without changing the approved cabinet arrangement.
- Validate diagnostics before release: After installing 3BHE006422R0002 UNS2861C-P,V2, check power-up indications, controller or converter diagnostics and the affected control function. Record measured results and maintenance acceptance before returning the equipment to service.

SYSTEM COMPATIBILITY

Match 3BHE006422R0002 UNS2861C-P,V2 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>

AMIKON PRODUCT SUPPORT

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