

SIMODRIVE 611 UNIVERSAL HRS2

Product Data Sheet

6SN1118-1NJ01-0AA2

Resolver positioning control module

CONTROLLED AXES	RESOLVER RESOLUTION	RESOLVER EXCITATION VOLTAGE	RESOLVER NOMINAL INPUT
1	12 or 14 bits	0.98 to 2.6 V RMS	1.2 V RMS sin/cos

Siemens 6SN1118-1NJ01-0AA2 is the single-axis resolver control module in the SIMODRIVE 611 universal HRS2 range. It provides speed and torque setpoint processing with positioning functions in a compatible servo-drive configuration for industrial motion control.

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VERIFIED TECHNICAL DATA

Controlled axes	1
Resolver resolution	12 or 14 bits
Resolver excitation voltage	0.98 to 2.6 V RMS
Resolver nominal input	1.2 V RMS sin/cos
Resolver excitation current	28 mA RMS maximum
Resolver evaluation limits	957 Hz at 12 bits; 479 Hz at 14 bits
Analog I/O per axis	2 inputs and 2 outputs
Digital I/O per axis	4 inputs and 4 outputs
External digital supply	20.4 to 28.8 V DC
Auxiliary enable supply	24 V DC, 500 mA maximum

ADDITIONAL PRODUCT DATA

Pulse-enable input	21 to 30 V, 50 mA typical at 24 V
Start-inhibit relay contact	250 V AC, 1 A; 30 V DC, 2 A maximum
Resolver connector	25-pin D-sub X411
Serial connector	9-pin D-sub X471, RS232/RS485
Test output	0 to 5 V, 8-bit resolution, 3 mA maximum

DOCUMENTED USE SETTINGS

Precision Metalworking and Industrial Component Manufacturing: Metal Cutting and Machining.

Robotic Manufacturing and Automated Material Handling: Robotic Production Process Automation.

Automated Manufacturing and Precision Component Production: Automated Component Process Manufacturing.

SYSTEM COMPATIBILITY

Siemens 6SN1118-1NJ01-0AA2 is the single-axis resolver control module in the SIMODRIVE 611 universal HRS2 range. It provides speed and torque setpoint processing with positioning functions in a compatible servo-drive configuration for industrial motion control.

PRODUCT EVIDENCE

SIMODRIVE 611 Configuration Manual, 10/2014: HRS2 control interfaces

AMIKON PRODUCT SUPPORT

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