

## 6SN1118-1NH00-0AA2

Industrial automation components

<b>Manufacturer</b>	Siemens
<b>Catalog number</b>	6sn1118-1nh00-0aa2
<b>Category</b>	Industrial automation components
<b>Product type</b>	Industrial automation components
<b>Status</b>	Active product

### Technical specification

<b>Weight</b>	0.29 kgs
<b>Product Type</b>	Digital Closed-Loop Control Plug-In Unit
<b>Axes Supported</b>	2 axes
<b>Control Principle</b>	Closed-Loop Speed and Position Control
<b>Encoder Interface</b>	Optional Incremental Encoder (sin/cos, 1Vpp)
<b>Motor Compatibility</b>	1FT6, 1FK6, 1FE1, 1FN1/2, 1PH2/4/6/7
<b>Dimensions</b>	130 mm x 50 mm x 320 mm
<b>Weight</b>	0.64 kg

### Description

The Siemens 6SN1118-1NH00-0AA2 is a universal digital closed-loop control plug-in unit from the SIMODRIVE 611 series, engineered for precise two-axis control in industrial automation applications. Designed to integrate seamlessly into the SIMODRIVE 611 system, this module employs advanced closed-loop speed and position control principles to ensure high-precision operation. It features an optional incremental encoder interface supporting sin/cos signals at 1Vpp, enhancing its adaptability to various motor types. The unit is compatible with a range of Siemens motors, including 1FT6, 1FK6, 1FE1, 1FN1/2, and 1PH2/4/6/7 models, providing versatility in deployment. Its compact plug-in design facilitates easy integration, making it suitable for applications requiring dual-axis control with high-speed digital processing. The 6SN1118-1NH00-0AA2 is equipped with electrical safeguards such as overload and short-circuit protection, ensuring reliable operation in demanding environments. Its passive cooling system contributes to energy efficiency, reducing operational costs. This control unit is ideal for applications in automotive, aerospace, power generation, and electronics sectors, where precise motion control is critical.