

6SN1118-1NH01-0AA1

Industrial automation components

Manufacturer	Siemens
Catalog number	6sn1118-1nh01-0aa1
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Weight	0.26 kgs
Product Type	Universal HR 2-Axis Control-Loop Block
Motor Encoder	Incremental, SIN/COS 1 Vpp, Absolute Value Encoder
Supported Motors	1FT6, 1FK, 1FE1, 1FW6, 2SP1, 1PH, 1PM6, 1FN
Interfaces	Optional: PROFIBUS DP, RS 232/485
Number of Axes	2
Motor Encoder Type	Incremental, SIN/COS 1 Vpp, Absolute Value Encoder, EnDat
Compatible Motors	1FT6, 1FK, 1FE1, 1FW6, 2SP1, 1PH, 1PM6, 1FN
Optional Interfaces	PROFIBUS DP, RS 232/485
Net Weight	0.57 kg

Description

The Siemens 6SN1118-1NH01-0AA1 is a Universal HR 2-Axis Control-Loop Block designed for the SIMODRIVE 611 system, offering precise closed-loop control for motion applications. This module is specifically tailored for use with incremental encoders that utilize SIN/COS 1 Vpp signals, ensuring high accuracy in position and velocity feedback. It supports various motor types, including 1FT6, 1FK, 1FE1, 1FW6, 2SP1, 1PH, 1PM6, and 1FN series, making it versatile for different industrial setups. The control-loop block is expandable with optional interfaces such as PROFIBUS DP and RS 232/485, allowing for enhanced connectivity and integration within automation systems. With a compact design, it weighs approximately 0.57 kg, facilitating easy installation and maintenance. This module is ideal for applications requiring precise motion control, such as CNC machining, robotics, and automated manufacturing processes, where reliability and accuracy are paramount.