

6SN1118-0DK21-0AA1

Industrial automation components

Manufacturer	Siemens
Catalog number	6sn1118-0dk21-0aa1
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Weight	0.45 kgs
Product Type	Digital Control Loop Block
Axes	2
Encoder Type	Sin/Cos 1 Vpp
Software Version Required	06.04.09 or later
Motor Compatibility	1FT6, 1FK, 1FE1, 2SP1, 1PH7, 1PM6, 1LA series
Mounting	Vertical
Operating Temperature	0 to 40 °C
Storage Temperature	-40 to 70 °C
Certifications	CE, cULus

Description

The Siemens 6SN1118-0DK21-0AA1 is a high-performance digital control loop block designed for the SIMODRIVE 611 system, offering precise control for two axes with sin/cos 1 Vpp encoder compatibility. This module is engineered for demanding industrial automation applications, ensuring reliable and efficient operation. It requires NC software version 06.04.09 or later for optimal performance. Manufactured in Germany, the 6SN1118-0DK21-0AA1 is built to meet stringent quality standards, making it a robust choice for enhancing automation processes. Its compatibility with various motor types, including synchronous reluctance motors (e.g., 1FT6, 1FK), induction motors (e.g., 1PH7, 1PM6), and standard motors (e.g., 1LA series), provides versatility in diverse industrial settings. The module's design supports natural ventilation and vertical mounting, facilitating integration into existing systems. With an operating temperature range of 0 to 40 °C and storage temperature range of -40 to 70 °C, it is suitable for a wide range of industrial environments. The 6SN1118-0DK21-0AA1 is CE and cULus certified, ensuring compliance with international safety and quality standards. Its compact dimensions and lightweight design make it suitable for applications where space and weight are critical considerations.