

6SN1118-0DG21-0AA1

Industrial automation components

Manufacturer	Siemens
Catalog number	6sn1118-0dg21-0aa1
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Weight	0.24 kgs
Product Type	Closed-loop Performance Control Unit
System	SIMODRIVE 611-D
Number of Axes Controlled	1 Axis
Power Supply	24V DC
Input/Output	Digital Inputs/Outputs
Encoder Resolution	65,536 lines per revolution
Control Loop Frequency	16 kHz
Position Control Loop Frequency	4 kHz
Communication Interfaces	PROFIBUS, CANopen
Operating Temperature Range	0°C to 40°C
Cooling Method	Forced air or convection cooling
Mounting Type	Plug-in unit

Description

The Siemens 6SN1118-0DG21-0AA1 is a SIMODRIVE 611-D closed-loop plug-in performance control unit designed for precise control of a single axis in digital drive applications. This unit is engineered to manage both feed and main spindle drives, ensuring high-performance operation in industrial automation environments. It operates on a 24V DC power supply and features digital inputs and outputs for seamless integration into existing systems. The 6SN1118-0DG21-0AA1 is compatible with Siemens' SINUMERIK 840C and 840D numerical control systems, facilitating efficient communication and control. Its robust design and advanced control capabilities make it suitable for applications requiring precise motion control and high reliability.