

6SL3210-1KE13-2AF1

Industrial automation components

Manufacturer	Siemens
Catalog number	6sl3210-1ke13-2af1
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Weight	2.27 kgs
Power	1.1
Cooling Capacity	1.1
Product Type	Inverter
I/O Channels	6 DI
Industrial System	sinamics
I/O Configuration	6
Signal Level	480 V

Description

The Siemens 6SL3210-1KE13-2AF1 is a compact inverter module from the SINAMICS G120C series, designed for industrial automation applications requiring reliable and efficient motor control. This model delivers a rated power of 1.1 kW (1.5 HP) and is capable of handling overloads up to 150% for 3 seconds, making it suitable for demanding operational conditions. It operates on a 3-phase line voltage supply ranging from 380 to 480 VAC and supports input frequencies between 47 and 63 Hz, ensuring compatibility with various industrial power systems. The integrated Class A EMC filter minimizes electromagnetic interference, enhancing system performance and compliance with industry standards. The I/O interface includes 6 digital inputs (DI), 2 digital outputs (DO), 1 analog input (AI), and 1 analog output (AO), providing versatile connectivity options for diverse automation tasks. Additionally, the Safe Torque Off (STO) function enhances operational safety by preventing unintended torque generation. The integrated PROFINET PN fieldbus facilitates seamless communication within industrial networks, and the device is housed in an IP20-rated enclosure, suitable for open-type installations. The external 24 V power supply requirement ensures compatibility with standard control systems. The compact dimensions of 196 x 73 x 225.4 mm (H x W x D) allow for flexible integration into space-constrained environments. This model is a suitable choice for applications requiring precise motor control, robust performance, and efficient integration into existing automation systems.