

6SL3210-1KE21-3AB1

Industrial automation components

Manufacturer	Siemens
Catalog number	6sl3210-1ke21-3ab1
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Weight	3.18 kgs
Customs Tariff Code	85044095
EAN	4042948663127.0
Quantity in Package	1
Product Code	5673
UPC	887621207397.0
Product ID	6SL3210-1KE21-3AB1
AL Field	N
Compliance	Produkt zgodny z RoHS od: 01.07.2006
Configurable Product	False
Country of Origin	GB
ECCN	N
eClass 6	27-02-31-01
eClass 7.1	27-02-31-01
eClass 8	27-02-31-01
eClass Version 9	27-02-31-01
eClass Version 9.1	27-02-31-01
ETIM 7	EC001857
Group Classification Key	R220
Packaging Length	260,00
Packaging Width	255,00
Packaging Height	125,00
Packaging Size	MM
Comparative Metals Coefficient	01.07.2006
REACH	Lead CAS-Nr. 7439-92-1; Lead monoxide (lead oxide) lblREACHCasNo7368; 4,4'-isopropylidenediphenol (Bisphenol A, BPA) CAS-Nr. 80-05-7; Diboron trioxide lblREACHCasNo3950
Unit of Measure	ST
List of Characteristics	D11.1SD

Description

The Siemens 6SL3210-1KE21-3AB1 is a compact SINAMICS G120C drive designed for efficient motor control in industrial applications. Operating on a 3-phase AC supply of 380-480V with a frequency range of 47-63Hz, it delivers a rated power of 5.5 kW. The drive offers robust overload capabilities, handling 150% of rated power for 3 seconds, 110% for 57 seconds, and 100% for 240 seconds under low overload conditions. In high overload scenarios, it manages 200% of rated power for 3 seconds, 150% for 57 seconds, and 100% for 240 seconds. Equipped with an integrated Class A filter, the drive ensures compliance with electromagnetic compatibility standards. Its external 24V I/O interface includes 6 digital inputs, 2 digital outputs, 1 analog input, 1 analog output, and a motor temperature input, facilitating versatile connectivity. The Safe Torque Off function enhances operational safety by preventing unintended torque generation. Communication is supported via USS and MODBUS RTU fieldbuses, enabling seamless integration into various control systems. The drive is housed in an IP20-rated enclosure, suitable for open-type installations, with dimensions of 196 x 100 x 203 mm (H x W x D) and a weight of 3.0 kg. This compact design makes it ideal for applications where space is limited, such as in machinery and conveyor systems.