

### 6SL3210-5BB21-1UV1

Industrial automation components

<b>Manufacturer</b>	Siemens
<b>Catalog number</b>	6sl3210-5bb21-1uv1
<b>Category</b>	Industrial automation components
<b>Product type</b>	Industrial automation components
<b>Status</b>	Active product

## Technical specification

<b>Weight</b>	0.24 kgs
<b>AL Field</b>	N
<b>Customs Tariff Code</b>	85044095
<b>Compliance</b>	Produkt zgodny z RoHS od: 05.07.2010
<b>Configurable Product</b>	False
<b>Country of Origin</b>	CN
<b>EAN</b>	4042948676950.0
<b>ECCN</b>	N
<b>eClass 6</b>	27-02-31-01
<b>eClass 7.1</b>	27-02-31-01
<b>eClass 8</b>	27-02-31-01
<b>eClass Version 9</b>	27-02-31-01
<b>eClass Version 9.1</b>	27-02-31-01
<b>ETIM 7</b>	EC001857
<b>Group Classification Key</b>	R220
<b>List of Characteristics</b>	SINAMICS V20
<b>Product ID</b>	6SL3210-5BB21-1UV1
<b>Quantity in Package</b>	1
<b>Packaging Length</b>	207,00
<b>Packaging Width</b>	106,00
<b>Packaging Height</b>	164,00
<b>Packaging Size</b>	MM
<b>Product Description</b>	SINAMICS V20 200-240V 1AC -10/+10% 47-63Hz rated power 1.1 kW with 150% overload for 60 sec. unfiltered I/O: 4 DI, 2 DO, 2 AI, 1 AQ fieldbus: USS/MODBUS RTU with built-in BOP protection: IP20/ UL open size: AC 90x160x147(WxHxD)
<b>Product Code</b>	5680
<b>Comparative Metals Coefficient</b>	05.07.2010
<b>Unit of Measure</b>	ST
<b>UPC</b>	804766663154.0

## Description

The Siemens 6SL3210-5BB21-1UV1 is a compact and efficient variable frequency drive (VFD) from the SINAMICS V20 series, designed for controlling 1-phase AC motors in industrial applications. Operating within a voltage range of 200-240V AC and a frequency of 47-63Hz, it delivers a rated power of 1.1 kW with a high overload capacity of 150% for 60 seconds, ensuring reliable performance during demanding startup conditions. The drive features unfiltered I/O with 4 digital inputs, 2 digital outputs, 2 analog inputs, and 1 analog output, facilitating versatile integration into various automation systems. Communication is supported via USS and Modbus RTU protocols, enabling seamless connectivity. With a built-in Basic Operator Panel (BOP) for straightforward commissioning and diagnostics, the drive is housed in an IP20-rated enclosure, suitable for environments with controlled conditions. Its compact dimensions of 90x160x147 mm (WxHxD) allow for efficient use of space in control panels. The 6SL3210-5BB21-1UV1 is an ideal solution for applications requiring precise motor control, energy efficiency, and ease of integration.