

# 6SL3210-1KE12-3UP2 Siemens 0.75kW 400V USS/Modbus Inverter Datasheet



**Brand:** Siemens

**SKU:** 972214975390

**Category:** Electric Motors & Drives

**Price:** \$385.71

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Product Page:

<https://www.equipspares.com/product/6sl3210-1ke12-3up2-siemens-0-75kw-400v-uss-modbus-inverter>

## Product Description

Siemens 6SL3210-1KE12-3UP2 is a compact frequency inverter measuring 73 x 173 x 155 mm with a nominal power rating of 0.75 kW and an input voltage range of 380 to 480 V AC. The unit features an FSA A frame size construction with an IP 20 protection rating and utilizes an unfiltered design for electromagnetic compatibility. It incorporates a side-by-side mounting capability, integrated USS and Modbus RTU communication interfaces, and a cooling system based on a built-in fan. The internal architecture supports V/f control, flux current control, and sensorless vector control with a pulse frequency of 4 kHz.

6SL3210-1KE12-3UP2 Specifications

Model Number: 6SL3210-1KE12-3UP2

Brand: Siemens

Product Series: SINAMICS G120C

Frame Size: FSA A

Rated Power (LO): 0.75 kW

Rated Power (HO): 0.55 kW

Input Voltage: 380 to 480 V AC (+10% / -20%)

Line Frequency: 47 to 63 Hz

Rated Input Current (LO): 2.90 A

Rated Input Current (HO): 2.50 A

Rated Output Current (LO): 2.20 A  
Rated Output Current (HO): 1.70 A  
Max Output Current: 3.40 A  
Output Frequency (V/f): 0 to 550 Hz  
Output Frequency (Vector): 0 to 240 Hz  
Pulse Frequency: 4 kHz  
Efficiency: 0.97  
Power Factor: 0.70 to 0.85  
Communication: USS / Modbus RTU  
Filter Class: Unfiltered  
Digital Inputs: 6 (Standard), 1 (Fail-safe)  
Digital Outputs: 1 (Relay), 1 (Transistor)  
Analog Inputs: 1 (Differential)  
Analog Outputs: 1 (Non-isolated)  
IP Rating: IP 20  
Operating Temperature: -10 to 40 °C  
Storage Temperature: -40 to 70 °C  
Dimensions: 73 x 173 x 155 mm  
Weight: 1.10 kg  
Certifications: UL, cUL, CE, RCM, SEMI F47

#### 6SL3210-1KE12-3UP2 Applications

Primary applications include integration into conveyor belts, centrifugal pumps, radial fans, and industrial mixers. Deployed within automated packaging machinery and textile processing equipment for precise motor speed regulation.

## Supplemental Images

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