SINAMICS G120C

Product Data Sheet

6SL3210-1KE21-3UF1

G120C 5.5 kW Compact Inverter

LINE SUPPLY	LINE FREQUENCY	LOW-OVERLOAD POWER AT 400 V	HIGH-OVERLOAD POWER AT 400 V
3 AC 380 to 480 V; +10% / -20%	**47 to 63 Hz**	**5.5 kW**	**4.0 kW**

Siemens 6SL3210-1KE21-3UF1 is an unfiltered SINAMICS G120C compact inverter for three-phase 380 to 480 V supplies. At 400 V it is rated 5.5 kW in low-overload duty and 4.0 kW in high-overload duty. The corresponding output currents are 12.50 A and 8.80 A, with a maximum output current of 17.60 A. PROFINET and EtherNet/IP provide the network connection.

01 TECHNICAL DATA

Line supply	3 AC 380 to 480 V; +10% / -20%
Line frequency	47 to 63 Hz
Low-overload power at 400 V	5.5 kW
High-overload power at 400 V	4.0 kW
Low-overload input current	16.50 A
High-overload input current	12.80 A
Low-overload output current	12.50 A
High-overload output current	8.80 A
Maximum output current	17.60 A
Pulse frequency	4 kHz

Siemens 6SL3210-1KE21-3UF1 manufacturer technical data; applicable specification pages.

02 ADDITIONAL PRODUCT DATA

V/f output-frequency range	0 to 550 Hz
Vector output-frequency range	0 to 240 Hz
Network interface	PROFINET / EtherNet/IP
Integrated line filter	None; unfiltered
Enclosure protection	IP20 / UL open type

03 PRODUCT FUNCTION

The FSB enclosure combines the control electronics and power stage with fan cooling, six standard digital inputs, one fail-safe input, relay and transistor outputs, and analog interfaces. A 4 kHz pulse frequency is specified; the output range extends to 550 Hz with V/f control or 240 Hz with vector control. The IP20 assembly permits shielded motor cables up to 50 m or unshielded cables up to 150 m under the stated installation conditions.

04 SYSTEM COMPATIBILITY

Configure the required PROFINET or EtherNet/IP connection together with the local digital and analog signal assignments. The unfiltered version does not include a line EMC filter. Provide the external EMC measures required by the installation, bond the protective earth, and observe the 50 m shielded or 150 m unshielded motor-cable limits.

05 REFERENCE

Siemens 6SL3210-1KE21-3UF1 manufacturer technical data; applicable specification pages.

AMIKON PRODUCT SUPPORT

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