SINAMICS G120C

Product Data Sheet

6SL3210-1KE14-3UF2

G120C 1.5 kW Compact Inverter

SUPPLY PHASES	LINE VOLTAGE	LINE FREQUENCY	LOW-OVERLOAD POWER
3 AC	**380 to 480 V; +10% / -20%**	**47 to 63 Hz**	**1.50 kW**

Siemens 6SL3210-1KE14-3UF2 is a SINAMICS G120C compact inverter for three-phase 380 to 480 V power. It provides 1.50 kW in low-overload duty or 1.10 kW in high-overload duty, with corresponding rated output currents of 4.10 A and 3.10 A. PROFINET provides the industrial network connection.

01 TECHNICAL DATA

Supply phases	3 AC
Line voltage	380 to 480 V; +10% / -20%
Line frequency	47 to 63 Hz
Low-overload power	1.50 kW
High-overload power	1.10 kW
Low-overload output current	4.10 A
High-overload output current	3.10 A
Maximum output current	6.20 A
Pulse frequency	4 kHz
V/f output-frequency range	0 to 550 Hz

02 ADDITIONAL PRODUCT DATA

Vector output-frequency range	0 to 240 Hz
Industrial network	PROFINET
Operating ambient	-10 to 40 degrees C
Maximum non-condensing humidity	95% at 40 degrees C
Rated altitude	1000 m

03 PRODUCT FUNCTION

The inverter uses integrated fan cooling and a 4 kHz pulse frequency. Its output-frequency limits differ by control method: up to 550 Hz in V/f operation and up to 240 Hz in vector operation. The stated ratings use -10 to 40 degrees C operating ambient and a 1000 m rated altitude.

04 SYSTEM COMPATIBILITY

Configure the PROFINET device and the required local signal assignments in the controller project. The 4 kHz pulse frequency and selected V/f or vector mode affect the drive configuration. A requested frequency above 240 Hz is outside the listed vector-control range even though the V/f range extends higher.

05 REFERENCE

Siemens 6SL3210-1KE14-3UF2 official product data; applicable specification pages.

AMIKON PRODUCT SUPPORT
+86-18020776786 INFO@AMIKON.CN AMIKONG.COM