SINAMICS V90 PTI

Product Data Sheet

6SL3210-5FE12-0UA0

Two-kilowatt pulse-train servo drive

RATED OUTPUT POWER	RATED OUTPUT CURRENT	MAXIMUM OUTPUT CURRENT	LINE INPUT
2.0 kW	**7.8 A**	**23.4 A**	**Three-phase 380-480 V AC, -15/+10%**

Siemens 6SL3210-5FE12-0UA0 is a 2 kW SINAMICS V90 servo drive for pulse-train and analog command arrangements. It uses a three-phase 380-480 V AC line supply and delivers 7.8 A rated output current, with a maximum output current of 23.4 A.

01 TECHNICAL DATA

Rated output power	2.0 kW
Rated output current	7.8 A
Maximum output current	23.4 A
Line input	Three-phase 380-480 V AC, -15/+10%
Line frequency	50/60 Hz, +/-10%
Control supply	24 V DC, -15/+20%; brake variant +/-10%
Supply capacity	11.1 kVA
Overload duty	300% for 300 ms every 10 s
Digital I/O	10 inputs, 6 sink outputs
Analog inputs	2 x +/-10 V, 13-bit

Siemens SINAMICS V90 catalog, PTI 400 V specifications, connection data and FSB outline.

02 ADDITIONAL PRODUCT DATA

Analog outputs	2 x +/-10 V, 10-bit
Differential pulse input	5 V, up to 1 MHz
Single-ended pulse input	24 V, up to 200 kHz
Safety input	Terminal-controlled Safe Torque Off
Operating temperature	0-45 C without derating; 45-55 C with derating

03 PRODUCT FUNCTION

The drive supports pulse-train positioning, internal positioning, speed and torque modes. Interfaces include differential 5 V and single-ended 24 V pulse inputs, two analog inputs, two analog outputs and USB commissioning. The design incorporates a braking resistor and terminal-controlled Safe Torque Off; this UA0 reference is distinct from PROFINET and later UF variants.

04 SYSTEM COMPATIBILITY

Choose one pulse-train input channel or the documented analog command mode and assign the digital I/O accordingly. Configure the motor, travel limits and brake supply, including the tighter tolerance when a holding brake is used.

05 REFERENCE

Siemens SINAMICS V90 catalog, PTI 400 V specifications, connection data and FSB outline.

AMIKON PRODUCT SUPPORT

+86-18020776786 INFO@AMIKON.CN **AMIKONG.COM**