SINAMICS V90 PN

Product Data Sheet

6SL3210-5FE10-4UF0

PROFINET Servo Drive

RATED MOTOR POWER	SUPPLY PHASES	LINE VOLTAGE	PERMITTED SUPPLY TOLERANCE
0.4 kW	**3 AC**	**380 to 480 V**	**-15% to +10%**

Siemens 6SL3210-5FE10-4UF0 is the 0.4 kW SINAMICS V90 PN servo drive for a three-phase 380 to 480 V supply. Its PROFINET interface distinguishes it from pulse-train V90 variants. The manufacturer specifies 1.5 A input current and 1.2 A rated output current, with output frequency extending to 330 Hz.

01 TECHNICAL DATA

Rated motor power	0.4 kW
Supply phases	3 AC
Line voltage	380 to 480 V
Permitted supply tolerance	-15% to +10%
Rated input current	1.5 A
Line frequency	45 to 66 Hz
Output voltage range	0 to input voltage
Rated output current	1.2 A
Output frequency	0 to 330 Hz
Fieldbus interface	PROFINET

02 ADDITIONAL PRODUCT DATA

Protection rating	IP20
Frame designation	AA

03 PRODUCT FUNCTION

The permitted line-voltage tolerance is -15% to +10%, and the supply frequency range is 45 to 66 Hz. This AA-frame drive has an IP20 enclosure and an output-voltage range from zero to the available input voltage. Motor, encoder and connection components are selected as part of the supported V90 axis arrangement rather than inferred from power alone.

04 SYSTEM COMPATIBILITY

Provide a three-phase 380 to 480 V supply within -15% to +10% and 45 to 66 Hz. Follow the V90 power, motor, feedback and protective-earth wiring instructions. The rated 1.2 A output value must be evaluated with the actual motor duty and the approved protection and commissioning requirements.

05 REFERENCE

Siemens 6SL3210-5FE10-4UF0 exact-model V90 PN Data Sheet, 17 October 2017; manufacturer page 1.

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