SINAMICS V90 PN

Product Data Sheet

6SL3210-5FB10-1UF1

SINAMICS V90 PN 0.1 kW Servo Drive

RATED MOTOR POWER	RATED OUTPUT CURRENT	MAXIMUM OUTPUT CURRENT	SUPPLY VOLTAGE
0.1 kW	**1.2 A**	**3.6 A**	**200 to 240 V AC**

Siemens 6SL3210-5FB10-1UF1 is the 0.1 kW SINAMICS V90 PN servo drive with a PROFINET interface. It belongs to the 200 V drive variant and supplies a rated output current of 1.2 A, with a maximum 3.6 A output current. The control connections include four standard digital inputs and two digital outputs.

01 TECHNICAL DATA

Rated motor power	0.1 kW
Rated output current	1.2 A
Maximum output current	3.6 A
Supply voltage	200 to 240 V AC
Permitted voltage tolerance	-15% to +10%
Nominal supply frequency	50 / 60 Hz
Output frequency	0 to 330 Hz
Standard digital inputs	4
Digital outputs	2
Control interface	PROFINET

Siemens SINAMICS V90 PN and SIMOTICS S-1FL6, A5E37208830-004, 04/2018, drive selection and technical data.

02 ADDITIONAL PRODUCT DATA

Degree of protection	IP20 / UL open type
Cooling	Natural convection
Operating temperature	0 to +45 degrees C
Storage temperature	-40 to +70 degrees C
Maximum operating relative humidity	90%

03 PRODUCT FUNCTION

The drive is specified for a 200 to 240 V AC supply with -15% to +10% voltage tolerance and a nominal 50/60 Hz frequency. Its output frequency range is 0 to 330 Hz. The IP20/UL open-type construction uses natural convection and is specified for operation from 0 to +45 degrees C, with storage from -40 to +70 degrees C.

04 SYSTEM COMPATIBILITY

Follow the supply, motor, encoder and control-terminal assignments in the V90 PN operating instructions. Install the documented branch protection and protective-earth connection, and preserve the required separation and shielding of power and feedback cables. Account for both rated and maximum output current when assessing the selected motor duty.

05 REFERENCE

Siemens SINAMICS V90 PN and SIMOTICS S-1FL6, A5E37208830-004, 04/2018, drive selection and technical data.

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