SINAMICS V90

Product Data Sheet

6SL3210-5FB11-0UF1

V90 PN 1 kW Servo Drive

RATED MOTOR POWER	LINE SUPPLY	LINE FREQUENCY	RATED OUTPUT CURRENT
1.00 kW	**3 AC 200 to 240 V; +10% / -15%**	**45 to 66 Hz**	**6.30 A**

Siemens 6SL3210-5FB11-0UF1 is a SINAMICS V90 PN servo drive rated 1.00 kW for a three-phase 200 to 240 V input. Its rated output current is 6.30 A, with a maximum output current of 18.90 A. The PROFINET interface integrates the drive into a compatible motion-control arrangement, while four digital inputs and two digital outputs provide local signal connections.

01 TECHNICAL DATA

Rated motor power	1.00 kW
Line supply	3 AC 200 to 240 V; +10% / -15%
Line frequency	45 to 66 Hz
Rated output current	6.30 A
Maximum output current	18.90 A
Digital inputs	4
Digital outputs	2
Network connection	PROFINET
Cooling method	Fan
Maximum installation altitude	1000 m at stated ratings

Siemens 6SL3210-5FB11-0UF1 manufacturer technical data; applicable specification pages.

02 ADDITIONAL PRODUCT DATA

Operating temperature	0 to 45 degrees C
Storage temperature	-40 to 70 degrees C
Maximum relative humidity	90%
Mechanical frame	FSD
Enclosure protection	IP20 / UL open type

03 PRODUCT FUNCTION

The FSD assembly uses fan cooling and has IP20 protection in an open-type control-cabinet installation. Siemens specifies an operating ambient of 0 to 45 degrees C and a maximum installation altitude of 1000 m for the stated ratings. The supply accepts a +10% / -15% voltage tolerance and a 45 to 66 Hz line frequency. Motor, encoder and cable selections must follow the applicable V90 PN combination tables.

04 SYSTEM COMPATIBILITY

Assign the PROFINET device identity and connect the four digital inputs and two outputs to their intended functions in the controller configuration. Coordinate the motion parameters with the actual motor and feedback combination. Preserve the network and drive configuration as part of the commissioning record.

05 REFERENCE

Siemens 6SL3210-5FB11-0UF1 manufacturer technical data; applicable specification pages.

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