SINAMICS V90 PN

Product Data Sheet

6SL3210-5FE12-0UF0

V90 PN 2.5 kW Servo Drive

INPUT PHASES	INPUT VOLTAGE	INPUT FREQUENCY	RATED OUTPUT POWER
3 AC	**380 to 480 V; +10% / -15%**	**45 to 66 Hz**	**2.50 kW**

Siemens 6SL3210-5FE12-0UF0 is a SINAMICS V90 PN servo drive rated 2.50 kW for three-phase 380 to 480 V supplies. The output is rated 7.80 A continuously, with a maximum output current of 23.40 A. PROFINET provides the network connection to the motion-control configuration.

01 TECHNICAL DATA

Input phases	3 AC
Input voltage	380 to 480 V; +10% / -15%
Input frequency	45 to 66 Hz
Rated output power	2.50 kW
Rated output current	7.80 A
Maximum output current	23.40 A
Industrial network	PROFINET
Digital input count	4
Digital output count	2
Cooling method	Fan

Siemens 6SL3210-5FE12-0UF0 official product data; applicable specification pages.

02 ADDITIONAL PRODUCT DATA

Operating ambient	0 to 45 degrees C
Storage ambient	-40 to 70 degrees C
Relative humidity maximum	90%
Rated installation altitude	1000 m
Ingress protection	IP20 / UL open type

03 PRODUCT FUNCTION

The FSB drive uses fan cooling and provides four digital inputs and two digital outputs. Its stated operating ambient is 0 to 45 degrees C, with a 1000 m rated installation altitude and IP20 enclosure protection. The power stage and feedback configuration are selected together with the compatible V90 motor and connection components.

04 SYSTEM COMPATIBILITY

Assign the PROFINET drive in the controller project and preserve the correct motor and feedback data. Four digital inputs and two outputs provide the local signal interface. Check the controller enable sequence and the meaning of each assigned signal before enabling motion.

05 REFERENCE

Siemens 6SL3210-5FE12-0UF0 official product data; applicable specification pages.

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