SINAMICS PM240-2 FSA

Product Data Sheet

6SL3210-1PE18-0AL1

Filtered inverter power module

LOW-OVERLOAD MOTOR POWER	HIGH-OVERLOAD MOTOR POWER	AC LINE RANGE	LOW-OVERLOAD INPUT CURRENT
3 kW	**2.2 kW**	**380-480 V, +/-10%, three-phase**	**10.1 A**

Siemens 6SL3210-1PE18-0AL1 is the filtered PM240-2 power module in frame size FSA. It operates from a three-phase 380-480 V AC supply. Ratings are 3 kW at low-overload duty and 2.2 kW at high-overload duty.

01 TECHNICAL DATA

Low-overload motor power	3 kW
High-overload motor power	2.2 kW
AC line range	380-480 V, +/-10%, three-phase
Low-overload input current	10.1 A
Low-overload output current	7.7 A
High-overload input current	8.8 A
High-overload output current	5.9 A
Input filtering	Integrated filter, AL1 version
Power loss	0.12 kW
Required cooling airflow	5 litres per second

Siemens PM240-2 Hardware Installation Manual A5E33294624B AJ, January 2018; filtered FSA 400 V table 6-17 and common ins

02 ADDITIONAL PRODUCT DATA

Input frequency	47-63 Hz
Default pulse frequency	4 kHz
Pulse frequency range	2-16 kHz in 2 kHz steps, current derating applies
Maximum output voltage	0.95 times input voltage, three-phase
Braking construction	Integrated braking chopper

03 PRODUCT FUNCTION

Low-overload output current is 7.7 A, while high-overload output current is 5.9 A. The IP20 module combines forced-air cooling with an integrated braking chopper and requires five litres per second of cooling air. Its AL1 configuration includes the input filter and works with a separately fitted compatible Control Unit.

04 SYSTEM COMPATIBILITY

Provide the 380-480 V three-phase line, protective earthing and prescribed mounting clearances. Retain the integrated filter and the required five litres per second cooling airflow.

05 REFERENCE

Siemens PM240-2 Hardware Installation Manual A5E33294624B AJ, January 2018; filtered FSA 400 V table 6-17 and common installation data.

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