SINAMICS PM340

Product Data Sheet

6SL3210-1SE16-0AA0

2.2 kW PM340 Power Module

LINE SUPPLY	INTEGRATED LINE FILTER	FRAME DESIGNATION	RATED OUTPUT CURRENT IN
3-phase 380 to 480 V AC +/-10%	**Present**	**FSB**	**5.9 A**

Siemens 6SL3210-1SE16-0AA0 is an FSB-frame SINAMICS PM340 power module with an integrated line filter. It is specified for three-phase 380 to 480 V AC plus or minus ten percent and a typical 2.2 kW induction motor at 400 V. The PM340 forms the power stage of the documented drive arrangement and requires the applicable control and connection equipment.

01 TECHNICAL DATA

Line supply	3-phase 380 to 480 V AC +/-10%
Integrated line filter	Present
Frame designation	FSB
Rated output current In	5.9 A
Base-load output current IH	5.2 A
S6 output current at 40% duty	6.4 A
Peak output current	11.8 A
Motor power at 400 V	2.2 kW
Rated pulse frequency	4 kHz
Power loss	0.14 kW

Siemens SINAMICS S110 Manual 6SL3097-4AC10-0BP2, January 2011; PM340 FSB dimensions and exact 1SE16-0AA0 table column.

02 ADDITIONAL PRODUCT DATA

Cooling air requirement	0.009 m3/s
Control Unit 24 V output capacity	1 A
Minimum external braking resistance	Greater than 160 ohm
Maximum braking-resistor cable	15 m
Enclosure protection	IP20 or IPXXB

03 PRODUCT FUNCTION

The exact order-code column lists 5.9 A rated current, 5.2 A base-load current and 11.8 A peak current, with a 4 kHz rated pulse frequency. The S6 rating is 6.4 A at forty-percent duty. The module has a 0.14 kW power loss and a 0.009 m3/s cooling-air requirement. For the filtered version, Siemens limits shielded motor cable to 25 m when the stated EN 61800-3 category C2 conditions are required.

04 SYSTEM COMPATIBILITY

Keep the motor duty within the appropriate In, IH or S6 rating rather than using the peak current as a continuous limit. Use the documented line, motor, DC-link and braking-resistor terminal assignments. An external braking resistor must exceed 160 ohm and its cable must remain within 15 m.

05 REFERENCE

Siemens SINAMICS S110 Manual 6SL3097-4AC10-0BP2, January 2011; PM340 FSB dimensions and exact 1SE16-0AA0 table column.

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