

SIEMENS

SINAMICS G120 | Power Modules

6SL3211-1PE23-3UL0

SINAMICS Power Module PM240-2 Push Through

Unfiltered Power Module with Integrated Braking Chopper — 15 kW LO / 11 kW HO

The Siemens 6SL3211-1PE23-3UL0 is a SINAMICS G120 PM240-2 push-through power module. It is an unfiltered, three-phase 380–480 V AC power module with an integrated braking chopper. The unit is designed for use with a compatible SINAMICS Control Unit and operating unit; the Power Module itself is supplied without a Control Unit and panel.

Product status	PM300 — Active Product / current Siemens product data
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Technical Specifications

Parameter	Specification
Article number (MLFB)	6SL3211-1PE23-3UL0
Product family	SINAMICS G120 / PM240-2 Power Modules
Construction	Push-through power module
Frame size	FSC
Number of phases	3 AC
Line voltage	380 ... 480 V AC, ±10 %
Line frequency	47 ... 63 Hz
Input rated current — LO	39.90 A
Input rated current — HO	36.00 A
Output rated power — LO	15.0 kW
Output rated current — LO	32.0 A
Output rated power — HO	11.0 kW
Output rated current — HO	26.0 A
Overload — LO	150 % for 3 s; 110 % for 57 s; 100 % for 240 s
Overload — HO	200 % for 3 s; 150 % for 57 s; 100 % for 240 s
Maximum output current	57 A
Integrated braking chopper	Yes
Line filter	None / unfiltered
Protection degree	IP20
Cooling	Internal air cooling / push-through installation concept
Cooling-air requirement	Approx. 0.018 m³/s (18.5 l/s)
Installation altitude	Up to 1,000 m
Ambient temperature — LO	–5 ... +40 °C
Ambient temperature — HO	–5 ... +50 °C
Transport temperature	–25 ... +55 °C
Storage temperature	–25 ... +55 °C
Maximum relative humidity	95 % RH; condensation not permitted
Dimensions (H × W × D)	Approx. 355 × 140 × 165 mm
Weight	Approx. 5.8 kg, unfiltered

Parameter	Specification
Control Unit	Not included
Operating panel	Not included
Compatible CU firmware	Siemens product data identifies release for compatible CU firmware; verify current compatibility before commissioning
Product application	SINAMICS G120 modular drive system

Functional Description

The PM240-2 is the power stage of a SINAMICS G120 drive. It converts the three-phase AC input into a controlled DC-link and inverter output for the motor. The switching power stage uses semiconductor devices to synthesize the variable-frequency motor voltage. The integrated braking chopper permits connection of an external braking resistor so that regenerative energy can be dissipated during rapid deceleration.

The push-through construction is intended for cabinet applications where the heat-producing portion of the Power Module can be thermally coupled through the cabinet mounting surface. This arrangement can reduce the heat load released into the control cabinet when correctly engineered.

Application & Selection Notes

The suffix UL0 identifies the unfiltered version. The corresponding filtered variant uses a different MLFB. This article is rated at 15 kW under the Low Overload (LO) duty cycle and 11 kW under High Overload (HO). Motor selection must therefore be based on the actual load profile rather than the nominal kW value alone.

System Configuration

The Power Module is not a complete standalone drive. A compatible SINAMICS Control Unit is required for control, parameterization and communication. A suitable operating panel, engineering interface or network connection may be added depending on the application. Verify Control Unit firmware compatibility, braking-resistor selection, mains protection, EMC concept and cabinet cooling before commissioning.

Product Identification

Brand: Siemens

Series: SINAMICS G120

Module: PM240-2

Article number: 6SL3211-1PE23-3UL0

Type: Push-through, unfiltered, integrated braking chopper

Input: 3 AC 380–480 V

Power: 15 kW LO / 11 kW HO

Frame: FSC

Protection: IP20

Primary Siemens References

[Siemens Industry Mall — Article 6SL3211-1PE23-3UL0](#)

[Siemens Power Module PM240-2 Hardware Installation Manual](#)

[Siemens SINAMICS G120 Product Documentation](#)

Document note: This is an independently compiled English technical datasheet based on Siemens official product data and documentation. It is not a Siemens-issued publication. Siemens documentation remains the controlling reference for procurement, engineering, firmware compatibility, safety and compliance.