

APTER POWER PRODUCT MANUAL

6SL3210-5FB10-4UF1

SINAMICS V90 PROFINET Servo Drive

The Siemens 6SL3210-5FB10-4UF1 is a SINAMICS V90 PROFINET servo drive for a 0.4 kW motor, with a 200 to 240 V single- or three-phase AC input and IP20 enclosure in frame size B.

It converts the supplied AC power into controlled three-phase motor output and exchanges cyclic motion commands, setpoints, status, and diagnostics with a compatible controller over PROFINET. It is used with a correctly matched Siemens servomotor, motor cable, encoder connection, line-side protection, and engineered motion project in packaging, handling, assembly, and machine-tool axes.

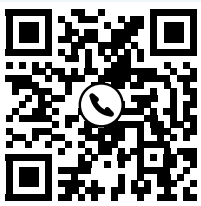
Manufacturer	Siemens
Prepared by	Apter Power
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APTER POWER SALES TEAM

INDUSTRIAL AUTOMATION PRODUCT SUPPORT

Convert PROFINET commands into controlled 0.4 kW motion.

WHATSAPP / PHONE +86 180 3023 5313
EMAIL sales13@apterpower.com
WEBSITE www.apterpower.com



SCAN FOR PRODUCT & QUOTE
6SL3210-5FB10-4UF1

1. Product Overview and Identity

The Siemens 6SL3210-5FB10-4UF1 is a SINAMICS V90 PROFINET servo drive for a 0.4 kW motor, with a 200 to 240 V single- or three-phase AC input and IP20 enclosure in frame size B.

It converts the supplied AC power into controlled three-phase motor output and exchanges cyclic motion commands, setpoints, status, and diagnostics with a compatible controller over PROFINET. It is used with a correctly matched Siemens servomotor, motor cable, encoder connection, line-side protection, and engineered motion project in packaging, handling, assembly, and machine-tool axes.

Model Configuration

Field	Verified information
Complete model	6SL3210-5FB10-4UF1
Manufacturer	Siemens
Product description	SINAMICS V90 PROFINET Servo Drive

Key Features

- Exact Siemens MLFB 6SL3210-5FB10-4UF1
- SINAMICS V90 PROFINET Servo Drive
- 200 to 240 V AC, single- or three-phase, -15%/+10%
- 5.0 A single-phase / 3.0 A three-phase
- Model-specific lifecycle, weight, dimensions, and installation guidance

2. Technical Specifications

Only manufacturer-confirmed information is stated. Values absent from the named Siemens source are marked for nameplate or document verification.

Parameter	Verified value
Product type	SINAMICS V90 servo drive with PROFINET
Input voltage	200 to 240 V AC, single- or three-phase, -15%/+10%
Input current	5.0 A single-phase / 3.0 A three-phase
Input frequency	45 to 66 Hz
Output current	2.6 A
Output frequency	0 to 330 Hz
Motor rating	0.4 kW
Degree of protection	IP20
Frame and device size	Frame B; 55 x 170 x 170 mm (W x H x D)
Siemens net weight	1.250 kg
Siemens packaging dimensions	77 x 217 x 237 mm
Country of origin	China
Lifecycle	PM400; product phase-out announced since 1 October 2025

Verification Note

Use the complete 6SL3210-5FB10-4UF1 identifier. Siemens lists 6SL3210-5FB10-4UF1 in PM400 product phase-out status, effective 1 October 2025. Values not published in the cited Siemens source are intentionally not inferred.

3. Functions, Applications and Components

Core Functions

- It converts the supplied AC power into controlled three-phase motor output and exchanges cyclic motion commands, setpoints, status, and diagnostics with a compatible controller over PROFINET. It is used with a correctly matched Siemens servomotor, motor cable, encoder connection, line-side protection, and engineered motion project in packaging, handling, assembly, and machine-tool axes.
- Maintains the documented SINAMICS V90 servo system with PROFINET role for this complete Siemens article number.
- Provides a verified reference for configuration, commissioning, diagnostics, and lifecycle planning.

Application Areas

Application	System role
Packaging motion axes	Controls indexed conveyors, feeders, and sealing mechanisms
Material handling	Executes position and speed commands for pick-and-place or transfer axes
Assembly machines	Provides closed-loop servo motion for repeatable machine sequences
Machine-tool auxiliaries	Drives engineered positioning axes within the published rating

Compatible Components

- SINAMICS V90-compatible Siemens servomotor selected for the 0.4 kW drive rating
- PROFINET controller and motion project approved for the drive firmware
- Siemens motor and encoder cables matched to the motor and drive connectors
- Line protection, braking, EMC, grounding, and cabinet components specified by Siemens

Lifecycle Status

Siemens lists 6SL3210-5FB10-4UF1 in PM400 product phase-out status, effective 1 October 2025.

4. Installation Precautions

- Drive identity: Match the complete MLFB, firmware, motor rating, and frame size
- Mains safety: Isolate the 200 to 240 V AC supply and allow the DC link to discharge before work
- Motor matching: Verify the servomotor, encoder, motor cable, and parameter set as one system
- PROFINET: Preserve device name, IP settings, telegram, timing, and controller project
- Commissioning: Test direction, limits, braking, emergency functions, and axis tuning before production

STOP - Verify before installation

Use the complete 6SL3210-5FB10-4UF1 identifier. Siemens lists 6SL3210-5FB10-4UF1 in PM400 product phase-out status, effective 1 October 2025. Values not published in the cited Siemens source are intentionally not inferred.

Use the physical nameplate and current Siemens documents as the controlling records.

5. Official Source and Use Notice

Official source

Siemens Industry Mall product record for 6SL3210-5FB10-4UF1:

<https://mall.industry.siemens.com/mall/en/kr/Catalog/Product/6SL3210-5FB10-4UF1>

Apter Power product page

<https://www.apterpower.com/Siemens/6sl3210-5fb10-4uf1>

Use Notice

This is an original Apter Power product-specific reference prepared from the Siemens source named above. It is not a Siemens publication and does not replace the original data sheet, nameplate, certificate, installation drawing, safety instructions, or machine-builder documentation.

ASK FOR QUOTE

For availability and quotation details, visit www.apterpower.com or contact sales13@apterpower.com.