

SINAMICS G120D

Product Data Sheet

6SL3544-0FB21-1PA0

CU250D-2 PN-F control unit

FUNCTION CU250D-2 PN-F control unit	FAMILY SINAMICS G120D	ORIGIN Germany	WEIGHT 0.50 kg
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Siemens SINAMICS 6SL3544-0FB21-1PA0 is a CU250D-2 PN-F control unit for the SINAMICS G120D. The values below are limited to the exact documented article.

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VERIFIED TECHNICAL DATA

already integrated into the standard versions of the CU240D-series (CU240D-2 DP and CU240D-2 PN). It can be activated	
Safety Integrated functions	The safety function "Safe Torque Off" (STO) (certified according
SSI ≤ 250 mA), sensors (total, max. 300 mA) as well as the current drawn from the digital outputs (total, max. 500 mA) must be added,	
1) The current consumption of connected encoders (HTL ≤ 150 mA), sensors (total, max. 300 mA) as well as the current	
HTL encoder interface	(incremental interface, bipolar up
SSI encoder interface	(absolute encoder, singleturn and
(incremental interface, bipolar up	to 2048 pulses, max. 150 mA)
Current consumption 1)	(from the 24 V DC supply)
Integrated safety functions	acc. to IEC 61508 SIL 2,
Operating voltage	External 24 V DC

Storage temperature	40 ... +70 °C
Operating temperature	10 ... +55 °C
Slot for SINAMICS memory card	(SD card)
Motor temperature sensor	1 input,
in IP65 degree of protection	8/39

- Machine and assembly-line automation: Controlled equipment
- Robot cell and transfer automation: Production equipment
- Boiler, turbine and auxiliary control: Plant equipment

Match 6SL3544-0FB21-1PA0 to the installed SINAMICS G120D, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

[Siemens official product documentation](#)

Local official manufacturer PDF: 6SL3544-0FB21-1PA0.pdf

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