

SINAMICS G120D CU240D-2 PN

Product Data Sheet

6SL3544-0FB20-1FA0

Distributed inverter control unit

EXTERNAL SUPPLY	SUPPLY CURRENT FSA/FSB	SUPPLY CURRENT FSC	DIGITAL INPUT COUNT
24 V DC	400 mA, excluding sensors and outputs	550 mA, excluding sensors and outputs	6

Siemens 6SL3544-0FB20-1FA0 is the CU240D-2 PN control unit for SINAMICS G120D distributed inverters. It coordinates motor control, field I/O and industrial network communication in compatible decentralized drive assemblies.

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VERIFIED TECHNICAL DATA

External supply	24 V DC
Supply current FSA/FSB	400 mA, excluding sensors and outputs
Supply current FSC	550 mA, excluding sensors and outputs
Digital input count	6
Analog input count	2
Analog input range	0 to 10 V
Digital output count	2
Digital output current	0.5 A per channel
Encoder interface	1 bipolar HTL
Encoder pulse count	2048 maximum

ADDITIONAL PRODUCT DATA

Encoder supply current	150 mA maximum
Supported fieldbus	PROFINET, EtherNet/IP
Safety function	Safe Torque Off (STO)
Protection degree	IP65, UL Type 3
Protection class	III, PELV

DOCUMENTED USE SETTINGS

Automotive Manufacturing and Vehicle Production: Automotive Body Manufacturing.

Logistics and Distribution Center Operations: Warehouse Material Flow Automation.

Airport Transport and Baggage Handling: Passenger Baggage Handling.

SYSTEM COMPATIBILITY

6SL3544-0FB20-1FA0 is the distributed inverter control unit for SINAMICS G120D CU240D-2 PN. Match the installed companion hardware and documented interface allocation before connection.

PRODUCT EVIDENCE

Siemens SINAMICS G120D CU240D-2 PN manufacturer documentation

AMIKON PRODUCT SUPPORT

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