

SINAMICS G120D CU240D DP

Product Data Sheet

6SL3544-0FA20-1PA0

PROFIBUS drive control unit

CONTROL SUPPLY VOLTAGE	CONTROL CURRENT WITH FSA/FSB	CONTROL CURRENT WITH FSC	DIGITAL INPUT CHANNELS
24 V DC external	200 mA, excluding connected loads	350 mA, excluding connected loads	6

Siemens 6SL3544-0FA20-1PA0 is a CU240D DP control unit for the SINAMICS G120D distributed drive platform. It provides PROFIBUS DP communication and the configured drive-control functions for a compatible power module and motor.

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VERIFIED TECHNICAL DATA

Control supply voltage	24 V DC external
Control current with FSA/FSB	200 mA, excluding connected loads
Control current with FSC	350 mA, excluding connected loads
Digital input channels	6
Digital output channels	2
Digital output current	0.5 A
Bus protocol	PROFIBUS DP
Encoder interfaces	1 HTL incremental
Maximum encoder pulse count	2048
Maximum encoder supply current	100 mA

ADDITIONAL PRODUCT DATA

Fixed-frequency settings	16
Drive data sets	3
Ingress protection	IP65
Operating temperature	-10 to +55 deg C
Storage temperature	-40 to +70 deg C

DOCUMENTED USE SETTINGS

Automotive Manufacturing and Component Production: Vehicle Assembly and Production.

Industrial Production and Material Logistics: Production Material Conveying.

Food Processing and Beverage Manufacturing: Food Production and Packaging.

SYSTEM COMPATIBILITY

6SL3544-0FA20-1PA0 belongs to the SINAMICS G120D CU240D DP family and provides the documented profibus drive control unit function. Its control supply voltage is 24 V DC external; match this characteristic to the connected equipment and the project configuration.

PRODUCT EVIDENCE

Siemens SINAMICS G120D CU240D DP manufacturer documentation; applicable pages 188, 189, 190

AMIKON PRODUCT SUPPORT

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