

Data sheet for SINAMICS Control unit CU240E-2 DP

Article No. : 6SL3244-0BB12-1PA1

Client order no. :
Order no. :
Offer no. :
Remarks :

Item no. :
Consignment no. :
Project :



Figure similar

Electrical data

Operating voltage via

The Power Module	DC 24 V
External power supply	DC 20 ... 29 V
Max. power consumption	0.50 A
Power loss	5.50 W

Communication

Communication	PROFIBUS DP
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Inputs / outputs

Standard digital inputs

Number	6
Switching level: 0→1	11 V
Switching level: 1→0	5 V

Fail-safe digital inputs

Number	1 (Use of 2 × DI Standard)
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Digital outputs

as relay changer

Number	2
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Analog / digital inputs

Number	2 (Differential input)
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Analog outputs

Number	2 (Non-isolated output)
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Closed-loop control techniques

V/f linear / square-law / parameterizable Yes

V/f with flux current control (FCC) Yes

V/f ECO linear / square-law Yes

Sensorless vector control Yes

Vector control, with sensor No

Encoderless torque control Yes

Torque control, with encoder No

Ambient conditions

Ambient temperature

Operation	-10 ... 55 °C (14 ... 131 °F)
Storage	-40 ... 70 °C (-40 ... 158 °F)

Relative humidity

Max. operation	95 %
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Connections

Signal cable

Conductor cross-section	0.05 ... 1.50 mm ² (AWG 28 ... AWG 16)
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Mechanical data

Degree of protection IP20 / UL open type

Net weight 0.49 kg (1.08 lb)

Dimensions

Width	73.0 mm (2.87 in)
Height	199.0 mm (7.83 in)
Depth	46.0 mm (1.81 in)

Standards

Compliance with standards CE, UL, cUL, RCM, SEMI F47

CE marking Low-voltage directive 2014/35/EC