



Figure similar

## Data sheet for SINAMICS Control unit CU250S-2 DP

Article No. : 6SL3246-0BA22-1PA0

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

Item no. :  
Consignment no. :  
Project :

### Electrical data

#### Operating voltage via

The Power Module	DC 24 V
External power supply	DC 20 ... 29 V
Max. power consumption	2.00 A
Power loss	12.00 W

### Communication

Communication	PROFIBUS DP
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### Inputs / outputs

#### Standard digital inputs

Number	15
Switching level: 0→1	11 V
Switching level: 1→0	5 V

#### Fail-safe digital inputs

Number	3 (Use of 2 × DI Standard)
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#### Digital outputs

##### as relay changer

Number	2
Output (resistive load)	DC 30 V, 0.5 A

##### as relay make contact

Output (resistive load)	DC 30 V, 0.5 A
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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	Yes
Encoderless torque control	Yes
Torque control, with encoder	Yes

### Ambient conditions

#### Ambient temperature

Operation	-10 ... 50 °C (14 ... 122 °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 <sup>2</sup> (AWG 28 ... AWG 16)
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### Mechanical data

Degree of protection	IP20 / UL open type
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Net weight	0.61 kg (1.34 lb)
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#### Dimensions

Width	73.0 mm (2.87 in)
Height	199.0 mm (7.83 in)
Depth	67.0 mm (2.64 in)

### Standards

Compliance with standards	CE, UL, cUL, RCM, SEMI F47
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CE marking	Low-voltage directive 2014/35/EC
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