

## Data sheet for SINAMICS Control unit CU240E-2

Article No. : 6SL3244-0BB12-1BA1

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 | RS485 |
|---------------|-------|

### 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) |
|--------|----------------------------|

#### Digital outputs

##### as relay changer

|        |   |
|--------|---|
| Number | 2 |
|--------|---|

#### Analog / digital inputs

|        |                        |
|--------|------------------------|
| Number | 2 (Differential input) |
|--------|------------------------|

#### Analog outputs

|        |                         |
|--------|-------------------------|
| Number | 2 (Non-isolated output) |
|--------|-------------------------|

### 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 % |
|----------------|------|

### Connections

#### Signal cable

|                         |                                                      |
|-------------------------|------------------------------------------------------|
| Conductor cross-section | 0.05 ... 1.50 mm <sup>2</sup><br>(AWG 28 ... AWG 16) |
|-------------------------|------------------------------------------------------|

### 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