



Figure similar

Data sheet for SINAMICS Control unit CU240B-2 DP

Article No. : 6SL3244-0BB00-1PA1

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 | 0.50 A         |
| Power loss             | 5.50 W         |

Communication

|               |             |
|---------------|-------------|
| Communication | PROFIBUS DP |
|---------------|-------------|

Inputs / outputs

|                          |                         |
|--------------------------|-------------------------|
| Standard digital inputs  |                         |
| Number                   | 4                       |
| Switching level: 0→1     | 11 V                    |
| Switching level: 1→0     | 5 V                     |
| Fail-safe digital inputs |                         |
| Number                   | 0                       |
| Digital outputs          |                         |
| as relay changer         |                         |
| Number                   | 1                       |
| Analog / digital inputs  |                         |
| Number                   | 1 (Differential input)  |
| Analog outputs           |                         |
| Number                   | 1 (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 mm²<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 |