

Siemens Series Service Manual

6SL3243-0BB30-1PA3

1. Description

Data sheet for SINAMICS Control unit CU230P-2 DP

3. Product Information

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Article No. : 6SL3243-0BB30-1PA3

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 6

Switching level: 0→1 11 V

Switching level: 1→0 5 V

Fail-safe digital inputs

Number 0 (No fail-safe inputs available)

Digital outputs

as relay changer

Number 2

Output (inductive load) DC 250 V, 2 A

Output (resistive load) DC 30 V, 0.5 A

as relay make contact

Number 1

Output (resistive load) DC 30 V, 0.5 A

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 ... 60 °C (14 ... 140 °F)

Storage -40 ... 70 °C (-40 ... 158 °F)

Relative humidity

Max. operation 95 %

Connections

Signal cable

Conductor cross-section 0.15 ... 1.50 mm²

(AWG 24 ... AWG 16)

Mechanical data

Degree of protection IP20 / UL open type

Net weight 0.61 kg (1.34 lb)

Dimensions

Width 73.0 mm (2.87 in)

Height 199.0 mm (7.83 in)

Depth 65.5 mm (2.59 in)

Standards

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