SIEMENS

Data sheet for SINAMICS Control Unit CU250S-2 USS



Ordering data

6SL3246-0BA22-1BA0

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	12.00 W

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)

Digital outputs

Number as relay changeover contact	2
Output (resistive load)	DC 30 V, 1 A
Output (resistive load)	DC 30 V, 1 V

Analog/ digital inputs

Number	2 (Differential input)

Analog outputs

Number	2 (Non-isolated output)

Connections

Signal cable

Conductor cross-section	0.05 ... 1.50 mm² (30 ... 16 AWG)

Ambient conditions

Ambient temperature

Operation	-10 ... 50 °C (14 ... 122 °F)
Storage	-40 ... 70 °C (-40 ... 158 °F)

Relative humidity

Max. operation	95 %

Communication

Communication	RS485

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

Standards

Compliance with standards	UL, cUL, CE, C-Tick
CE marking	

Low-voltage directive 2006/95/EC

Mechanical data

Degree of protection	IP20
Net weight	0.61 kg
Width	73.0 mm
Height	199.0 mm
Depth	67.0 mm

Technical data are subject to change! There may be discrepancies between calculated and rating plate values.