

Data sheet for SINAMICS Control unit CU240E-2 F

Article No. : 6SL3244-0BB13-1BA1



Figure similar

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	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	3 (Use of 6 × 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 ² (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
------------	----------------------------------