SIEMENS

Data sheet for SINAMICS S120 control unit CU320-2 PN


Figure similar

Article No. : 6SL3040-1MA01-0AA0

Client order no. :
Order no. :
Offer no. :
Remarks :

Item no. :
Consignment no. :
Project :

Inputs / outputs

Digital inputs	
Number	12
Voltage	-3 ... 30 V
Low level	-3 ... 5 V
High level	15 ... 30 V
Power consumption at 24 V DC, typ.	3.5 mA
Delay time L→H, typ. [1]	50 µs
Delay time H→L, typ. [1]	150 µs
Digital I/O	
Number of bidirectional, not potential-free inputs [3]	8
As input	
Voltage	-3 ... 30 V
Low level	-3 ... 5 V
High level	15 ... 30 V
Power consumption at 24 V DC, typ.	3.5 mA
Delay time L→H [1]	5 µs
Delay time H→L [1]	50 µs
As output	
Continuous short-circuit proof	Yes
Voltage	DC 24 V
Load current per digital output, max.	500 mA
Delay time L→H, typ./ max.	150 µs / 400 µs
Delay time H→L, typ./ max.	75 µs / 100 µs

Electrical data

Electronics power supply	DC 24 V (20.4 ... 28.8 V)
Max. power consumption [5]	1.0 A
Power loss, max.	24 W
Protection, max.	20 A

Communication

Communication	PROFINET, EtherNet/IP

Environmental conditions

Installation altitude	2,000 m (6,561.68 ft)
Ambient temperature during	
Operation	0 ... 55 °C (32 ... 131 °F)
Storage	-25 ... 55 °C (-13 ... 131 °F)
Transport	-40 ... 70 °C (-40 ... 158 °F)
Relative humidity during	
Transport, max.	95 % at 40 °C (104 °F)

Connections

PE connection	1 (M5 screw)
Supply voltage, max.	2.5 mm² (AWG 14)
Digital inputs, max.	1.5 mm² (AWG 16)
Digital inputs/outputs, max.	1.5 mm² (AWG 16)
DRIVE-CLiQ	4
PROFINET	2
PROFIBUS	- -
RS232	1
Ethernet	1
Temperature sensor	- -
24 V	1
Measuring sockets	3
Number of slots	
Flash card	1
for option modules	1

Mechanical data

Net weight	2.20 kg (4.85 lb)
Dimensions	
Width	50.0 mm (1.97 in)
Height	300.0 mm (11.81 in)
Depth	226.0 mm (8.90 in)

Standards

Compliance with standards	CE, KC, cULus, EAC, C-Tick (RCM)

[1] The specified delay times refer to the hardware. The actual reaction time depends on the time slot in which the digital input or output is processed.
[3] can be parameterized - as DI - as DO
[5] without taking into account digital outputs. Option slot extension and DRIVE-CLiQ supply