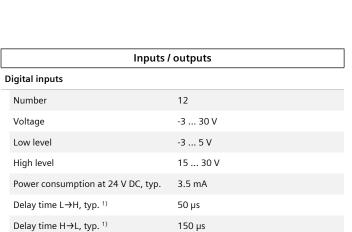


## Data sheet for SINAMICS S120 control unit CU320-2 PN

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

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





Digital I/O	
Number of bidirectional, not	

Number of blancetional, not	
potential-free inputs 3)	

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 $H\rightarrow L^{1)}$	50 μs

## As output

Continuous short-circuit proof	Yes
Voltage	DC 24 V
Load current per digital output, max.	500 mA
Delay time L $\rightarrow$ 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 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)

C	nections
Con	nections
PE connection	1 (M5 screw)
Supply voltage, max.	2.5 mm² (AWG 14)
Digital inputs, max.	1.5 mm <sup>2</sup> (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)

<sup>1)</sup> 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.

 $<sup>^{3)}</sup>$  can be parameterized - as DI - as DO

<sup>&</sup>lt;sup>5)</sup> without taking into account digital outputs. Option slot extension and DRIVE-CLiQ supply