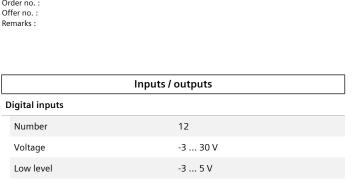


Data sheet for SINAMICS S120 control unit CU320-2 PN

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

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

Item no. : $Consignment\ no.:$ Project :



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		

Num	ber	
		ï

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 \rightarrow H, typ./ max.	150 μs / 400 μs
Delay time $H\rightarrow L$, 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)	

Conn	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.

 $^{^{\}rm 3)}$ can be parameterized - as DI - as DO

⁵⁾ without taking into account digital outputs. Option slot extension and DRIVE-CLiQ supply