

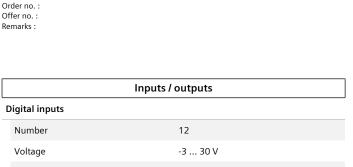
Data sheet for SINAMICS S120 control unit CU320-2 DP

6SL3040-1MA00-0AA0

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

Article No.:

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



	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 \rightarrow H, typ. ¹⁾	50 μs
	Delay time $H\rightarrow L$, 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		

L		
	Communication	Profibus DP

_			
	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 mm ² (AWG 14)	
Digital inputs, max.	1.5 mm ² (AWG 16)	
Digital inputs/outputs, max.	1.5 mm ² (AWG 16)	
DRIVE-CLiQ	4	
PROFINET		
PROFIBUS	1	
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		
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.

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

 $^{^{5)}\}mbox{without taking into account digital outputs. Option slot extension and DRIVE-CLiQ supply$