Data sheet for SINAMICS S120 control unit CU320-2 DP

Figure similar

MLFB-Ordering data **6SL3040-1MA00-0AA0**

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

Item no. :
Consignment no. :
Project :

Inputs / outputs

Digital inputs

Number of potential-free inputs	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.	50 µs
Delay time H→L, typ.	150 µs

Digital I/O

Number of bidirectional, not potential-free inputs	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	5 µs
Delay time H→L	50 µs

As output

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

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Electrical data

Electronics power supply	DC 24 V (20,4 ... 28,8 V)
Max. power consumption [2]	1.00 A
Power loss, max.	24 W

Mechanical data

Dimensions

Width	50 mm (1.97 in)
Height	300 mm (11.81 in)
Depth	226 mm (8.90 in)
Net weight	2.20 kg (4.85 lb)

Ambient conditions

Installation altitude	2000 m (6561.68 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

Transport, max.	95 % at 40 °C (104 °F)

Connections

PE connection	1 (M5 screw)
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

Communication

Communication	Profibus DP

Standards

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

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