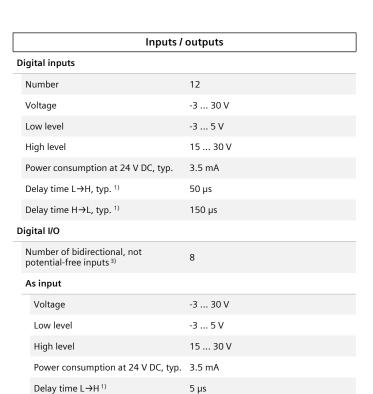


Data sheet for SINAMICS S120 control unit CU320-2 DP

Article No.: 6SL3040-1MA00-0AA0

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





| | Delay time $H\rightarrow L^{1)}$ | 50 μs | | | |
|---|--|-----------------|--|--|--|
| Α | 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 | | | |

| 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 | | | |
|------------------|--|--|--|
| 1 (M5 screw) | | | |
| 2.5 mm² (AWG 14) | | | |
| 1.5 mm² (AWG 16) | | | |
| 1.5 mm² (AWG 16) | | | |
| 4 | | | |
| | | | |
| 1 | | | |
| 1 | | | |
| 1 | | | |
| | | | |
| 1 | | | |
| 3 | | | |
| | | | |
| 1 | | | |
| 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 | | |
| Startagras | | |
| 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.

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

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