SIEMENS

# Data sheet for SINAMICS G120D

## Article No. : 6SL3544-0FB21-1PA0



Figure similar

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

Item no. :
Consignment no. :
Project :

| Electrical data | |
|---|---|
| **Operating voltage via** | |
| External power supply | DC 24 V |

| Communication | |
|---|---|
| Communication | PROFIBUS DP, PROFIsave |

| Inputs / outputs | |
|---|---|
| **Standard digital inputs** | |
| Number | 6 (non-isolated) |
| **Fail-safe digital inputs** | |
| Number | 3 (optionally parameterizable as safe inputs) |
| **Digital outputs** | |
| Number | 2 (0.5 A, fed through switched 24 V DC, isolated) |
| **Fail-safe digital outputs** | |
| Number | 1 (optionally parameterizable as safe digital output) |
| **Analog inputs** | |
| Number | 2 (0 ... 10 V) |

| Closed-loop control techniques | |
|---|---|
| V/f linear / square-law / parameterizable | Yes |
| V/f with flux current control (FCC) | Yes |
| Sensorless vector control | Yes |

| Ambient conditions | |
|---|---|
| **Ambient temperature** | |
| Operation | 0 ... 55 °C (32 ... 131 °F) |
| Storage | -40 ... 70 °C (-40 ... 158 °F) |
| **Relative humidity** | |
| Max. operation | 95 % at 40 °C (104 °F); RH, condensation not permitted |

| Technology | |
|---|---|
| Positioning functionality | No |
| Design of the interface | M12 plug |

| Mechanical data | |
|---|---|
| Degree of protection | IP65 / UL type 3 |
| Net weight | 0.8 kg (1.77 lb) |
| **Dimensions** | |
| Width | 153 mm (6.02 in) |
| Height | 208 mm (8.19 in) |
| Depth | 55 mm (2.17 in) |

| Standards | |
|---|---|
| Compliance with standards | UL 508C (UL list number E121068), cUL, CE, RCM |
| CE marking | Low-voltage directive 2014/35/EC |