SIEMENS

# Data sheet for SINAMICS G120D

## Article No. : 6SL3546-0FB21-1FC0



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 | PROFINET, EtherNet/IP, 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) |

### 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 ... 45 °C (32 ... 113 °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 | Yes |
| Design of the interface | push-pull plug via fiber-optic |

### Mechanical data

| | |
|---|---|
| Degree of protection | IP65 / UL type 3 |
| Net weight | 1.5 kg (3.31 lb) |
| **Dimensions** | |
| Width | 153 mm (6.02 in) |
| Height | 208 mm (8.19 in) |
| Depth | 118 mm (4.65 in) |

### Standards

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