SIEMENS

Data sheet for SINAMICS G120D

Article No. : **6SL3546-0FB21-1FA0**



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 ... 50 °C (32 ... 122 °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	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