

Data sheet for SINAMICS G120D

Article No. : 6SL3546-0FB21-1PA0

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

Item no. :
Consignment no. :
Project :



Figure similar

Electrical data

Operating voltage via

External power supply	DC 24 V
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Communication

Communication	PROFIBUS DP, PROFIsave
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Inputs / outputs

Standard digital inputs

Number	6 (non-isolated)
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Fail-safe digital inputs

Number	3 (optionally parameterizable as safe inputs)
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Digital outputs

Number	2 (0.5 A, fed through switched 24 V DC, isolated)
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Fail-safe digital outputs

Number	1 (optionally parameterizable as safe digital output)
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Closed-loop control techniques

V/f linear / square-law / parameterizable	Yes
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V/f with flux current control (FCC)	Yes
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Sensorless vector control	Yes
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Ambient conditions

Ambient temperature

Operation	0 ... 55 °C (32 ... 131 °F)
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Storage	-40 ... 70 °C (-40 ... 158 °F)
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Relative humidity

Max. operation	95 % at 40 °C (104 °F); RH, condensation not permitted
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Technology

Positioning functionality	Yes
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Design of the interface	M12 plug
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Mechanical data

Degree of protection	IP65 / UL type 3
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Net weight	0.8 kg (1.77 lb)
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Dimensions

Width	153 mm (6.02 in)
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Height	208 mm (8.19 in)
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Depth	55 mm (2.17 in)
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