

SIEMENS

Data sheet for SINAMICS V20

Article No. : 6SL3210-5BB21-5UV1



Figure similar

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

Item no. :
Consignment no. :
Project :

Rated data	
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Input	
Number of phases	1 AC
Line voltage	200 ... 240 V -15 % +10 %
Line frequency	47 ... 63 Hz

Output		
Number of phases	3 AC	
Rated voltage	230V IEC	240V NEC ¹⁾
Rated power (LO)	1.50 kW	2.00 hp
Rated power (HO)	1.50 kW	2.00 hp
Rated current (LO)	7.80 A	7.80 A
Rated current (HO)	7.80 A	7.80 A
Rated current (IN)	7.80 A	
Pulse frequency	8.00 kHz	
Output frequency	0 ... 550 Hz	

Overload capability	
Low Overload (LO)	
110 % rated output current for 60 s, cycle time 300 s	
High Overload (HO)	
150 % rated output current for 60 s, cycle time 300 s	

General tech. specifications	
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Power factor λ	0.72
Offset factor cos φ	0.95
Efficiency η	0.98
Filter class (integrated)	Unfiltered
With integrated braking chopper	No

Communication	
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Communication	USS, Modbus RTU
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Inputs / outputs	
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Standard digital inputs	
Number	4

Digital outputs	
Number as relay changeover contact	1
Number as transistor	1

Analog inputs	
Number	2 (Can be used as additional digital input)

Analog outputs	
Number	1

Ambient conditions	
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Cooling	External fan
Installation altitude	1,000 m (3,280.84 ft)

Ambient temperature	
Operation ²⁾	-10 ... 60 °C (14 ... 140 °F)
Storage	-40 ... 70 °C (-40 ... 158 °F)

Relative humidity	
Max. operation	95 %

Connections	
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Max. motor cable length	
Shielded	25 m (82.02 ft)
Unshielded	50 m (164.04 ft)

Mechanical data	
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Mounting position	Wall mounting / side-by-side mounting
Degree of protection	IP20 / UL open type
Frame size	FSAC
Net weight	1.20 kg (2.65 lb)

Dimensions	
Width	91.0 mm (3.57 in)
Height	160.9 mm (6.33 in)
Depth	147.0 mm (5.79 in)

Standards	
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Compliance with standards	CE, cULus, C-Tick (RCM)
CE marking	EN 61800-5-1 /EN 60204-1 and EN 61800-3

¹⁾The output current and HP ratings are valid for the voltage range 220V-240V
²⁾Please observe derating at temperatures of 40 °C or above