

Data sheet for SINAMICS V20

Article No. : 6SL3210-5BB12-5UV1

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

Item no. :
Consignment no. :
Project :



Figure similar

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)	0.25 kW	0.25 hp
Rated power (HO)	0.25 kW	0.33 hp
Rated current (LO)	1.70 A	1.70 A
Rated current (HO)	1.70 A	1.70 A
Rated current (IN)	1.70 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	
Power factor λ	0.72
Offset factor cos φ	0.95
Efficiency η	0.98
Filter class (integrated)	Unfiltered

Communication	
Communication	USS, Modbus RTU

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	convection cooling
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

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

Mechanical data	
Mounting position	Wall mounting / side-by-side mounting
Degree of protection	IP20 / UL open type
Frame size	F5AA
Net weight	0.70 kg (1.54 lb)

Dimensions	
Width	68.0 mm (2.68 in)
Height	142.0 mm (5.59 in)
Depth	107.8 mm (4.24 in)

Standards	
Compliance with standards	CE, cULus, C-Tick (RCM), KC
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

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