

Data sheet for SINAMICS V20

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

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

Item no. :
Consignment no. :
Project :



Figure similar

Rated data			
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			
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			
Communication		USS, Modbus RTU	
Inputs / outputs			
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	
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	
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	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	
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

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6SL3210-5BB21-5UV1

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