

SIEMENS

Data sheet for SINAMICS V20



Figure similar

MLFB-Ordering data 6SL3210-5BB21-1UV1

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

Item no. :
Consignment no. :
Project :

Rated data	General tech. specifications																																														
Input <table><tr><td>Number of phases</td><td>1 AC</td></tr><tr><td>Line voltage</td><td>200 ... 240 V -15 % +10 %</td></tr><tr><td>Line frequency</td><td>47 ... 63 Hz</td></tr></table> Output <table><tr><td>Number of phases</td><td>3 AC</td></tr><tr><td>Rated voltage</td><td>230 V</td></tr><tr><td>Rated power (HO)</td><td>1.10 kW / 1.50 hp</td></tr><tr><td>Rated power (LO)</td><td>1.10 kW / 1.50 hp</td></tr><tr><td>Rated current (HO)</td><td>6.00 A</td></tr><tr><td>Rated current (LO)</td><td>6.00 A</td></tr></table> <table><tr><td>Pulse frequency</td><td>8.00 kHz</td></tr><tr><td>Output frequency</td><td>0 ... 550 Hz</td></tr></table>	Number of phases	1 AC	Line voltage	200 ... 240 V -15 % +10 %	Line frequency	47 ... 63 Hz	Number of phases	3 AC	Rated voltage	230 V	Rated power (HO)	1.10 kW / 1.50 hp	Rated power (LO)	1.10 kW / 1.50 hp	Rated current (HO)	6.00 A	Rated current (LO)	6.00 A	Pulse frequency	8.00 kHz	Output frequency	0 ... 550 Hz	<table><tr><td>Power factor λ</td><td>0.72</td></tr><tr><td>Offset factor $\cos \varphi$</td><td>0.95</td></tr><tr><td>Efficiency η</td><td>0.98</td></tr><tr><td>Filter class (integrated)</td><td>Unfiltered</td></tr></table> Ambient conditions <table><tr><td>Cooling</td><td>External fan</td></tr><tr><td>Installation altitude</td><td>1000 m (3281 ft)</td></tr></table> Ambient temperature <table><tr><td>Operation</td><td>-10 ... 60 °C (14 ... 140 °F)</td></tr><tr><td>Storage</td><td>-40 ... 70 °C (-40 ... 158 °F)</td></tr></table> Relative humidity <table><tr><td>Max. operation</td><td>95 %</td></tr></table> Communication <table><tr><td>Communication</td><td>USS, Modbus RTU</td></tr></table> Standards <table><tr><td>Compliance with standards</td><td>CE, cULus, C-Tick (RCM)</td></tr><tr><td>CE marking</td><td>EN 61800-5-1 /EN 60204-1 and EN 61800-3</td></tr></table>	Power factor λ	0.72	Offset factor $\cos \varphi$	0.95	Efficiency η	0.98	Filter class (integrated)	Unfiltered	Cooling	External fan	Installation altitude	1000 m (3281 ft)	Operation	-10 ... 60 °C (14 ... 140 °F)	Storage	-40 ... 70 °C (-40 ... 158 °F)	Max. operation	95 %	Communication	USS, Modbus RTU	Compliance with standards	CE, cULus, C-Tick (RCM)	CE marking	EN 61800-5-1 /EN 60204-1 and EN 61800-3
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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

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Mechanical data	Connections
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Mounting position	Wall mounting / side-by-side mounting
Degree of protection	IP20 / UL open type
Size	FSAC
Net weight	1.20 kg (2.65 lb)
Width	91.0 mm (3.57 in)
Height	160.9 mm (6.33 in)
Depth	147.0 mm (5.79 in)

Max. motor cable length	
Shielded	25 m (82 ft)
Unshielded	50 m (164 ft)

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