

# SIEMENS

## Data sheet for SINAMICS V20



Figure similar

MLFB-Ordering data                      6SL3210-5BE31-1CV0

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

Item no. :  
Consignment no. :  
Project :

Rated data	General tech. specifications
<b>Input</b>	<b>Power factor <math>\lambda</math></b> 0.72
<b>Number of phases</b> 3 AC	<b>Offset factor <math>\cos \varphi</math></b> 0.95
<b>Line voltage</b> 380 ... 480 V -15 % +10 %	<b>Efficiency <math>\eta</math></b> 0.98
<b>Line frequency</b> 47 ... 63 Hz	<b>Filter class (integrated)</b> Class A
<b>Output</b>	<b>Ambient conditions</b>
<b>Number of phases</b> 3 AC	<b>Cooling</b> External fan
<b>Rated voltage</b> 400 V	<b>Installation altitude</b> 1000 m (3281 ft)
<b>Rated power (HO)</b> 11.00 kW / 15.00 hp	<b>Ambient temperature</b>
<b>Rated power (LO)</b> 11.00 kW / 15.00 hp	<b>Operation</b> -10 ... 60 °C (14 ... 140 °F)
<b>Rated current (HO)</b> 25.00 A	<b>Storage</b> -40 ... 70 °C (-40 ... 158 °F)
<b>Rated current (LO)</b> 25.00 A	<b>Relative humidity</b>
<b>Rated current (HO) at 480V</b> 21.00 A	<b>Max. operation</b> 95 %
<b>Rated current (LO) at 480V</b> 21.00 A	<b>Communication</b>
<b>Pulse frequency</b> 4.00 kHz	<b>Communication</b> USS, Modbus RTU
<b>Output frequency</b> 0 ... 550 Hz	<b>Standards</b>
	<b>Compliance with standards</b> CE, cULus, C-Tick (RCM), KC
	<b>CE marking</b> EN 61800-5-1 /EN 60204-1 and EN 61800-3

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



Figure similar

### Mechanical data

Mounting position	Through-hole mounting / wall mounting / side-by-side mounting
Degree of protection	IP20 / UL open type
Size	FSD
Net weight	4.10 kg ( 9.04 lb )
Width	240.0 mm ( 9.45 in )
Height	206.5 mm ( 8.13 in )
Depth	172.5 mm ( 6.79 in )

### Inputs / outputs

#### Standard digital inputs

Number	4
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#### Digital outputs

Number as relay changeover contact	1
Number as transistor	1

#### Analog inputs

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

Number	1
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### Connections

#### Max. motor cable length

Shielded	25 m (82 ft)
Unshielded	50 m (164 ft)