# 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

### 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** | 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 |

### 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 |

## Ambient conditions

| | |
|---|---|
| **Cooling** | External fan |
| **Installation altitude** | 1000 m (3281 ft) |

### Ambient temperature

| | |
|---|---|
| **Operation** | -10 ... 60 °C (14 ... 140 °F) |
| **Storage** | -40 ... 70 °C (-40 ... 158 °F) |

### Relative humidity

| | |
|---|---|
| **Max. operation** | 95 % |

## Communication

| | |
|---|---|
| **Communication** | USS, Modbus RTU |

## Standards

| | |
|---|---|
| **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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## Mechanical data

| | |
|---|---|
| **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 ) |

## 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 |

## Connections

### Max. motor cable length

| | |
|---|---|
| **Shielded** | 25 m (82 ft) |
| **Unshielded** | 50 m (164 ft) |