

# SIEMENS

## Data sheet for SINAMICS V20



Figure similar

MLFB-Ordering data                      6SL3210-5BE22-2CV0

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

Item no. :  
Consignment no. :  
Project :

| Rated data                 |                           | General tech. specifications |   |
|----------------------------|---------------------------|------------------------------|---|
| Input                      |                           | Power factor $\lambda$       | 0.72                                    |
| Number of phases           | 3 AC                      | Offset factor $\cos \varphi$ | 0.95                                    |
| Line voltage               | 380 ... 480 V -15 % +10 % | Efficiency $\eta$            | 0.98                                    |
| Line frequency             | 47 ... 63 Hz              | Ambient conditions           |   |
| Output                     |                           | Cooling                      | External fan                            |
| Number of phases           | 3 AC                      | Installation altitude        | 1000 m (3281 ft)                        |
| Rated voltage              | 400 V                     | Ambient temperature          |   |
| Rated power (HO)           | 2.20 kW / 3.00 hp         | Operation                    | -10 ... 60 °C (14 ... 140 °F)           |
| Rated power (LO)           | 2.20 kW / 3.00 hp         | Storage                      | -40 ... 70 °C (-40 ... 158 °F)          |
| Rated current (HO)         | 5.60 A                    | Relative humidity            |   |
| Rated current (LO)         | 5.60 A                    | Max. operation               | 95 %                                    |
| Rated current (HO) at 480V | 4.80 A                    | Communication                |   |
| Rated current (LO) at 480V | 4.80 A                    | Communication                | USS, Modbus RTU                         |
| Pulse frequency            | 2.00 kHz                  | Standards                    |   |
| Output frequency           | 0 ... 550 Hz              | Compliance with standards    | CE, cULus, C-Tick (RCM), KC             |
|                            |                           | CE marking                   | EN 61800-5-1 /EN 60204-1 and EN 61800-3 |

| 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             |               |
|----------------------|---------------------------------------|-------------------------|---------------|
| Mounting position    | Wall mounting / side-by-side mounting | Max. motor cable length |               |
| Degree of protection | IP20                                  | Shielded                | 10 m (33 ft)  |
| Size                 | FSA                                   | Unshielded              | 50 m (164 ft) |
| Net weight           | 1.10 kg ( 2.43 lb )                   |                         |               |
| Width                | 90.0 mm ( 3.54 in )                   |                         |               |
| Height               | 166.0 mm ( 6.54 in )                  |                         |               |
| Depth                | 145.5 mm ( 5.73 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   |