

Article No. : 6SL5510-1BE10-2AF0

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

Item no. :  
Consignment no. :  
Project :

Figure similar



| Rated data                   |                         |
|------------------------------|-------------------------|
| Input                        |                         |
| Number of phases             | 3 AC                    |
| Line voltage                 | 380 ... 480 V +10 % - % |
| Line frequency               | 45 ... 66 Hz            |
| Rated current for 3 phases   | 1.0 A                   |
| Inrush current               | 7.5 A                   |
| Output                       |                         |
| Number of phases             | 3 AC                    |
| Rated power                  | 0.20 kW                 |
| Rated current I <sub>N</sub> | 1.3 A                   |
| Max. output current          | 5.1 A                   |
| Pulse frequency              | 8 kHz                   |
| Output frequency             | 0 ... 550 Hz            |

| Electronics power supply |                 |
|--------------------------|-----------------|
| Voltage                  | 20.4 ... 28.8 V |
| Current demand, max.     | 0.7 A           |

| Control Type                             |                                |
|------------------------------------------|--------------------------------|
| Communication                            | PROFINET                       |
| Ambient conditions                       |                                |
| Cooling                                  | natural convection             |
| Installation altitude (without derating) | 4,000 m                        |
| Installation altitude                    | 1,000 m (3,281.00 ft)          |
| Ambient temperature during               |                                |
| Operation                                | 0 ... 55 °C (32 ... 131 °F)    |
| Maximum without power reduction          | 45 °C                          |
| Transport                                | -40 ... 70 °C (-40 ... 158 °F) |
| Storage                                  | -40 ... 70 °C (-40 ... 158 °F) |
| Relative humidity during                 |                                |
| Max. operation                           | 95 %                           |

## Data sheet for SINAMICS S200

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| Inputs / outputs                  |   |
|-----------------------------------|---|
| <b>Standard digital inputs</b>    |   |
| Number                            | 4 |
| <b>Fail-safe digital inputs</b>   |   |
| Number                            | 2 |
| <b>Rapid input digital inputs</b> |   |
| Number                            | 2 |
| <b>Digital outputs</b>            |   |
| Number                            | 2 |

| Mechanical data      |                    |
|----------------------|--------------------|
| Degree of protection | IP20 / UL open     |
| Frame size           | FSA                |
| Net weight           | 1.00 kg (3.09 lb)  |
| <b>Dimensions</b>    |                    |
| Width                | 50.0 mm (1.97 in)  |
| Height               | 180.0 mm (7.09 in) |
| Depth                | 200.0 mm (7.87 in) |

| Connections                           |                                               |
|---------------------------------------|-----------------------------------------------|
| <b>Signal cable</b>                   |                                               |
| Version                               | MDR plug                                      |
| <b>Line side</b>                      |                                               |
| Version                               | Push-in connection                            |
| Conductor cross-section               | 0.75 ... 2.50 mm <sup>2</sup> / ... AWG       |
| <b>Motor end</b>                      |                                               |
| Version                               | Push-in connection                            |
| Conductor cross-section               | 0.75 ... 2.50 mm <sup>2</sup> / ... AWG       |
| <b>DC link (for braking resistor)</b> |                                               |
| Version                               | Push-in connection                            |
| Conductor cross-section               | 0.75 ... 2.50 mm <sup>2</sup> / 19 ... 13 AWG |
| Cable length                          | 3.00 m (10)                                   |
| <b>PE connection</b>                  |                                               |
| Conductor cross-section               | 0.75 ... 2.50 mm <sup>2</sup>                 |
| <b>Holding brake</b>                  |                                               |
| Version                               | Push-in connection                            |
| Conductor cross-section               | 0.00 ... 2.00 mm <sup>2</sup> / 23 ... 16 AWG |
| <b>STO connection</b>                 |                                               |
| Version                               | Push-in connection                            |
| Conductor cross-section               | 0.00 ... 2.00 mm <sup>2</sup> / 24 ... 16 AWG |
| <b>encoder connection</b>             |                                               |
| Version                               | plug connector IX Typ C                       |
| <b>Max. motor cable length</b>        |                                               |
| Shielded                              | 30 m                                          |

| Certificates                                |                                                                                                                                              |
|---------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| Certificate of suitability                  |                                                                                                                                              |
| CE marking                                  | EMC Directive 2014/30/EU with IEC 61800-3, Low-Voltage Directive 2014/35/EU, Machinery Directive 2006/42/EC, RoHS 2011/65/EU, WEE 2012/19/EU |
| Verification of suitability for fail-safety | SIL 3 according to IEC 61508 and IEC 61800-5-2, PL e according to ISO 13849-1, Category 3 or 4 according to ISO 13849-1                      |

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### Environmental conditions

#### Chemically active substances

|           |                                            |
|-----------|--------------------------------------------|
| Operation | Class 3C2 according to EN 60721-3-3: 2002  |
| Transport | Class 2C2 according to IEC 60721-3-2:1997  |
| Storage   | Class 1C2 according to IEC 60721-3-1: 1997 |

#### Biologically active substances

|           |                                                           |
|-----------|-----------------------------------------------------------|
| Operation | Class 3B1, acc. to EN 60721-3-3: 2002, dust not permitted |
| Storage   | Class 1B1 according to IEC 60721-3-1:1997                 |

#### Mechanically active substances

|           |                                                    |
|-----------|----------------------------------------------------|
| Operation | Class 3S2 according to IEC 60721-3-3: Ed. 2.2 2002 |
|-----------|----------------------------------------------------|

#### Climatic environmental conditions

|           |                                                    |
|-----------|----------------------------------------------------|
| Operation | Class 3K3 according to IEC 60721-3-3 Ed. 2.2: 2002 |
| Transport | Class 2K4 according to IEC 60721-3-2:1997          |
| Storage   | Class 1K4 according to IEC 60721-3-1:1997          |

#### Mechanical environmental conditions

|           |                                                    |
|-----------|----------------------------------------------------|
| Operation | Class 3M1 according to IEC 60721-3-3 Ed. 2.2: 2002 |
| Transport | Class 2M3 according to IEC 60721-3-2:1997          |
| Storage   | Class 1M2 according to IEC 60721-3-1:1997          |