

Article No. : 6SL5510-1BB11-0AF0

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

Item no. :  
Consignment no. :  
Project :



Figure similar

Rated data	
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Input	
Number of phases	1/3 AC
Line voltage	200 ... 240 V +10 % -15 %
Line frequency	45 ... 66 Hz
Rated current for 1 phase	8.0 A
Rated current for 3 phases	4.0 A
Inrush current	7.6 A
Output	
Number of phases	3 AC
Rated power	1.00 kW
Rated current I <sub>N</sub>	4.4 A
Max. output current	16.8 A
Pulse frequency	8 kHz
Output frequency	0 ... 550 Hz

Electronics power supply	
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Voltage	20.4 ... 28.8 V
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Control Type	
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Communication	PROFINET
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Ambient conditions	
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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	FSC
Net weight	2.00 kg (3.97 lb)
<b>Dimensions</b>	
Width	60.0 mm (2.36 in)
Height	170.0 mm (6.69 in)
Depth	195.0 mm (7.68 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> / 19 ... 13 AWG
<b>Motor end</b>	
Version	Push-in connection
Conductor cross-section	0.75 ... 2.50 mm <sup>2</sup> / 19 ... 13 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 ()
<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, UL, KC, UKCA, EAC, RCM, SEMI47
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	3S2 according to IEC 60721-3-3: Ed. 2.2 2002
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#### 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