

SIEMENS

Data sheet for SINAMICS S210



Figure similar

MLFB-Ordering data 6SL3210-5HE17-0UF0

Client order no. :

Order no. :

Offer no. :

Remarks :

Item no. :

Consignment no. :

Project :

Rated data		Communication	
Input		Communication	PROFINET
Number of phases	3 AC	Ambient conditions	
Line voltage	200 ... 480 V ±10 %	Installation altitude	1000 m (3280.84 ft)
Line frequency	45 ... 66 Hz	Cooling	Air cooling using an integrated fan
Rated current	17.9 A	Ambient temperature during	
Inrush current	27.8 A	Operation	0 ... 50 °C (32 ... 122 °F)
Output			Better than class 3K3, in acc. with EN 60721-3-3: 2002, without derating
Number of phases	3 AC	Transport	-40 ... 70 °C (-40 ... 158 °F)
Rated power (at 400V)	7.00 kW		Class 2K4, in acc. with EN 60721-3-2: 1997, in transport packaging
Rated power (at 240V)	4.20 kW	Storage	-25 ... 55 °C (-13 ... 131 °F)
Rated current I _N	15.0 A		Class 1K4, in acc. with EN 60721-3-1: 1997, in product packaging
Max. output current	55.0 A	Relative humidity during	
Pulse frequency	8 kHz	Max. operation	95 %
Output frequency for servo control	0 ... 550 Hz		RH, condensation not permitted
Electronics power supply		Transport, max.	95 %
Voltage	24 V -15 % ... +20 %		at 40 °C (104 °F)
Current demand, max.	1.2 A	Bearing, max.	95 %



Figure similar

MLFB-Ordering data

6SL3210-5HE17-0UF0

Inputs / outputs	Connections																								
Standard digital inputs <table><tr><td>Number</td><td>5</td></tr><tr><td></td><td>of which 2 for F-DI</td></tr></table>	Number	5		of which 2 for F-DI	Line side <table><tr><td>Version</td><td>push-in spring-type terminals</td></tr><tr><td>Conductor cross-section</td><td>0.75 ... 6.00 mm² / 18 ... 10 AWG</td></tr></table>	Version	push-in spring-type terminals	Conductor cross-section	0.75 ... 6.00 mm² / 18 ... 10 AWG																
Number	5																								
	of which 2 for F-DI																								
Version	push-in spring-type terminals																								
Conductor cross-section	0.75 ... 6.00 mm² / 18 ... 10 AWG																								
Fail-safe digital inputs <table><tr><td>Number</td><td>1</td></tr><tr><td></td><td>Can only be used for STO/SS1</td></tr></table>	Number	1		Can only be used for STO/SS1	Motor end <table><tr><td>Version</td><td>push-in spring-type terminals</td></tr><tr><td>Conductor cross-section</td><td>0.75 ... 6.00 mm² / 18 ... 10 AWG</td></tr></table>	Version	push-in spring-type terminals	Conductor cross-section	0.75 ... 6.00 mm² / 18 ... 10 AWG																
Number	1																								
	Can only be used for STO/SS1																								
Version	push-in spring-type terminals																								
Conductor cross-section	0.75 ... 6.00 mm² / 18 ... 10 AWG																								
Mechanical data Dimensions <table><tr><td>Width</td><td>105.0 mm (4.13 in)</td></tr><tr><td>Height without shield plate</td><td>280.0 mm (11.00 in)</td></tr><tr><td>Depth</td><td>222.8 mm (8.77 in)</td></tr><tr><td>Mounting position</td><td>vertical wall mounting</td></tr><tr><td>Degree of protection</td><td>IP20 / UL open type</td></tr><tr><td>Frame size</td><td>FSC</td></tr><tr><td>Net weight</td><td>5.00 kg (11.02 lb)</td></tr></table>	Width	105.0 mm (4.13 in)	Height without shield plate	280.0 mm (11.00 in)	Depth	222.8 mm (8.77 in)	Mounting position	vertical wall mounting	Degree of protection	IP20 / UL open type	Frame size	FSC	Net weight	5.00 kg (11.02 lb)	DC link (for braking resistor) <table><tr><td>Version</td><td>push-in spring-type terminals</td></tr><tr><td>Conductor cross-section</td><td>0.75 ... 6.00 mm² / 18 ... 10 AWG</td></tr><tr><td>Cable length</td><td>10 m (32.81 ft)</td></tr></table> PE connection <table><tr><td>Version</td><td>M4 screw studs</td></tr></table> Max. motor cable length ¹⁾ <table><tr><td>Shielded</td><td>50 m (164.04 ft)</td></tr></table>	Version	push-in spring-type terminals	Conductor cross-section	0.75 ... 6.00 mm² / 18 ... 10 AWG	Cable length	10 m (32.81 ft)	Version	M4 screw studs	Shielded	50 m (164.04 ft)
Width	105.0 mm (4.13 in)																								
Height without shield plate	280.0 mm (11.00 in)																								
Depth	222.8 mm (8.77 in)																								
Mounting position	vertical wall mounting																								
Degree of protection	IP20 / UL open type																								
Frame size	FSC																								
Net weight	5.00 kg (11.02 lb)																								
Version	push-in spring-type terminals																								
Conductor cross-section	0.75 ... 6.00 mm² / 18 ... 10 AWG																								
Cable length	10 m (32.81 ft)																								
Version	M4 screw studs																								
Shielded	50 m (164.04 ft)																								
Standards <table><tr><td>Compliance with standards</td><td>CE, cULus, RCM, KC, EAC, UKCA</td></tr><tr><td>CE marking</td><td>Low-voltage directive 2006/95/EC</td></tr><tr><td>Verification of suitability for fail-safety</td><td>SIL 2 in acc. with IEC 61508 parts 1-3 (2010) and IEC 61800-5-2 (2016), PL d in acc. with ISO 13849 part 1 (2015), Category 3 in acc. with ISO 13849 part 1 (2015)</td></tr></table>		Compliance with standards	CE, cULus, RCM, KC, EAC, UKCA	CE marking	Low-voltage directive 2006/95/EC	Verification of suitability for fail-safety	SIL 2 in acc. with IEC 61508 parts 1-3 (2010) and IEC 61800-5-2 (2016), PL d in acc. with ISO 13849 part 1 (2015), Category 3 in acc. with ISO 13849 part 1 (2015)																		
Compliance with standards	CE, cULus, RCM, KC, EAC, UKCA																								
CE marking	Low-voltage directive 2006/95/EC																								
Verification of suitability for fail-safety	SIL 2 in acc. with IEC 61508 parts 1-3 (2010) and IEC 61800-5-2 (2016), PL d in acc. with ISO 13849 part 1 (2015), Category 3 in acc. with ISO 13849 part 1 (2015)																								

¹⁾ Cable length with possibility of connection an external filter