



Figure similar

### MLFB-Ordering data

6SL3210-5HE13-5UF0

Client order no. :

Order no. :

Offer no. :

Remarks :

Item no. :

Consignment no. :

Project :

Rated data		Communication	
<b>Input</b>		Communication	PROFINET
Number of phases	3 AC	<b>Ambient conditions</b>	
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	12.5 A	<b>Ambient temperature during</b>	
Inrush current	27.8 A	Operation	0 ... 50 °C (32 ... 122 °F) Better than class 3K3, in acc. with EN 60721-3-3: 2002, without derating
<b>Output</b>		Transport	-40 ... 70 °C (-40 ... 158 °F) Class 2K4, in acc. with EN 60721-3-2: 1997, in transport packaging
Number of phases	3 AC	Storage	-25 ... 55 °C (-13 ... 131 °F) Class 1K4, in acc. with EN 60721-3-1: 1997, in product packaging
Rated power (at 400V)	3.50 kW	<b>Relative humidity during</b>	
Rated power (at 240V)	2.10 kW	Max. operation	95 % RH, condensation not permitted
Rated current I <sub>N</sub>	9.0 A	Transport, max.	95 % at 40 °C (104 °F)
Max. output current	33.0 A	Bearing, max.	95 %
Pulse frequency	8 kHz		
Output frequency for servo control	0 ... 550 Hz		
<b>Electronics power supply</b>			
Voltage	24 V -15 % ... +20 %		
Current demand, max.	1.2 A		



Figure similar

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### Inputs / outputs

#### Standard digital inputs

Number	5
	of which 2 for F-DI

#### Fail-safe digital inputs

Number	1
	Can only be used for STO/SS1

### Mechanical data

#### Dimensions

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)

### Connections

#### Line side

Version	push-in spring-type terminals
Conductor cross-section	0.75 ... 6.00 mm <sup>2</sup> / 18 ... 10 AWG

#### Motor end

Version	push-in spring-type terminals
Conductor cross-section	0.75 ... 6.00 mm <sup>2</sup> / 18 ... 10 AWG

#### DC link (for braking resistor)

Version	push-in spring-type terminals
Conductor cross-section	0.75 ... 6.00 mm <sup>2</sup> / 18 ... 10 AWG
Cable length	10 m (32.81 ft)

#### PE connection

Version	M4 screw studs
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#### Max. motor cable length <sup>1)</sup>

Shielded	50 m (164.04 ft)
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### Standards

Compliance with standards	CE, cULus, RCM, KC, EAC, UKCA
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CE marking	Low-voltage directive 2006/95/EC
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#### 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)

<sup>1)</sup> Cable length with possibility of connection an external filter