



Figure similar

### MLFB-Ordering data

6SL3210-5HE10-8UF0

Client order no. :

Order no. :

Offer no. :

Remarks :

Item no. :

Consignment no. :

Project :

### Rated data

#### Input

Number of phases	3 AC
Line voltage	200 ... 480 V $\pm$ 10 %
Line frequency	45 ... 66 Hz
Rated current	2.8 A
Inrush current	4.3 A

#### Output

Number of phases	3 AC
Rated power (at 400V)	0.75 kW
Rated power (at 240V)	0.45 kW
Rated current $I_N$	2.3 A
Max. output current	7.6 A
Pulse frequency	8 kHz
Output frequency for servo control	0 ... 550 Hz

### Electronics power supply

Voltage	24 V -15 % ... +20 %
Current demand, max.	1.0 A

### Communication

Communication	PROFINET
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### Ambient conditions

Installation altitude	1000 m (3280.84 ft)
Cooling	Air cooling using an integrated fan

#### Ambient temperature during

Operation	0 ... 50 °C (32 ... 122 °F) Better than class 3K3, in acc. with EN 60721-3-3: 2002, without derating
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Transport	-40 ... 70 °C (-40 ... 158 °F) Class 2K4, in acc. with EN 60721-3-2: 1997, in transport packaging
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Storage	-25 ... 55 °C (-13 ... 131 °F) Class 1K4, in acc. with EN 60721-3-1: 1997, in product packaging
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#### Relative humidity during

Max. operation	95 % RH, condensation not permitted
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Transport, max.	95 % at 40 °C (104 °F)
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Bearing, max.	95 %
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Figure similar

### 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	50.0 mm (1.97 in)
Height without shield plate	231.0 mm (9.09 in)
Depth	222.8 mm (8.77 in)
Mounting position	vertical wall mounting
Degree of protection	IP20 / UL open type
Frame size	FSA
Net weight	2.10 kg (4.63 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