



Figure similar

### MLFB-Ordering data

6SL3210-5HB10-4UF0

Client order no. :

Order no. :

Offer no. :

Remarks :

Item no. :

Consignment no. :

Project :

### Rated data

#### Input

Number of phases	1 AC
Line voltage	200 ... 240 V ±10 %
Line frequency	45 ... 66 Hz
Rated current	5.0 A
Inrush current	8.0 A

#### Output

Number of phases	3 AC
Rated power	0.40 kW ( 0.54 hp )
Rated current $I_N$	2.4 A
Max. output current	8.7 A
Pulse frequency	8 kHz
Output frequency for servo control	0 ... 550 Hz

### Electronics power supply

Voltage	24 V -15 % ... +20 %
Current demand, max.	0.8 A

### Communication

Communication	PROFINET
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### Ambient conditions

Installation altitude	1000 m (3280.84 ft)
Cooling	convection cooling

#### Ambient temperature during

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

#### Relative humidity during

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



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	55.0 mm (2.17 in)
Height without shield plate	170.0 mm (6.69 in)
Depth	172.4 mm (6.69 in)
Mounting position	vertical wall mounting
Degree of protection	IP20 / UL open type
Frame size	FSB
Net weight	1.30 kg (2.87 lb )

### Connections

#### Line side

Version	push-in spring-type terminals
Conductor cross-section	0.20 ... 2.50 mm <sup>2</sup> / 24 ... 14 AWG

#### Motor end

Version	push-in spring-type terminals
Conductor cross-section	0.20 ... 2.50 mm <sup>2</sup> / 24 ... 14 AWG

#### DC link (for braking resistor)

Version	push-in spring-type terminals
Conductor cross-section	0.20 ... 2.50 mm <sup>2</sup> / 24 ... 14 AWG
Cable length	3 m (9.84 ft)

#### PE connection

Version	M4 screw studs
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#### Max. motor cable length

Shielded	50 m (164.04 ft)
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### Standards

Compliance with standards	CE, cULus, RCM, KC, EAC
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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 IEC 60204 (2007)