

MLFB-Ordering data

6SL3210-5HE12-0UF0



Figure similar

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	7.5 A	Ambient temperature during	
Inrush current	8.6 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)	2.00 kW (2.72 hp)		Class 2K4, in acc. with EN 60721-3-2: 1997, in transport packaging
Rated current I_N	7.0 A	Storage	-25 ... 55 °C (-13 ... 131 °F)
Max. output current	24.0 A		Class 1K4, in acc. with EN 60721-3-1: 1997, in product packaging
Pulse frequency	8 kHz	Relative humidity during	
Output frequency for servo control	0 ... 550 Hz	Max. operation	95 %
Electronics power supply			RH, condensation not permitted
Voltage	24 V -15 % ... +20 %	Transport, max.	95 %
Current demand, max.	1.0 A		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	70.0 mm (2.76 in)
Height without shield plate	322.0 mm (12.68 in)
Depth	223.0 mm (8.78 in)
Mounting position	vertical wall mounting
Degree of protection	IP20 / UL open type
Size	FSB
Net weight	3.30 kg (7.28 lb)

Connections

Line side

Version	push-in spring-type terminals
Conductor cross-section	0.8 ... 6.0 mm² / 18 ... 10 AWG

Motor end

Version	push-in spring-type terminals
Conductor cross-section	0.8 ... 6.0 mm² / 18 ... 10 AWG

DC link (for braking resistor)

Version	push-in spring-type terminals
Conductor cross-section	0.8 ... 6.0 mm² / 18 ... 10 AWG
Cable length	10 m (32.81 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, 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)