

MLFB-Ordering data

6SL5310-1BE12-0DF0



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)  Better than class 3K3, in acc. with EN 60721-3-3: 2002, without derating
Output		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)	2.00 kW	Relative humidity during	
Rated power (at 240V)	1.20 kW	Max. operation	95 %  RH, condensation not permitted
Rated current I <sub>N</sub>	7.0 A	Transport, max.	95 %  at 40 °C (104 °F)
Max. output current	24.0 A	Bearing, max.	95 %
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		

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Inputs / outputs		Connections	
Standard digital inputs		Line side	
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		Motor end	
Number	1 Can only be used for STO/SS1-t	Version	push-in spring-type terminals
		Conductor cross-section	0.75 ... 6.00 mm² / 18 ... 10 AWG
Mechanical data		DC link (for braking resistor)	
Dimensions		Version	push-in spring-type terminals
Width	70.0 mm (2.76 in)	Conductor cross-section	0.75 ... 6.00 mm² / 18 ... 10 AWG
Height without shield plate	280.0 mm (11.00 in)	Cable length	10 m (32.81 ft)
Depth	222.8 mm (8.77 in)	PE connection	
Mounting position	vertical wall mounting	Version	M4 screw studs
Degree of protection	IP20 / UL open type	Max. motor cable length <sup>1)</sup>	
Frame size	FSB	Shielded	50 m (164.04 ft)
Net weight	3.30 kg (7.28 lb )	Standards	
		Compliance with standards	CE, cULus, RCM, UKCA
		CE marking	Low-voltage directive 2006/95/EC
		Verification of suitability for fail-safety	SIL 3 in acc. with IEC 61508 and IEC 61800-5-2, PL e in acc. with ISO 13849-1, Category 3 or Category 4 in acc. with ISO 13849-1

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