



Article No. :

6SL5310-1BE12-0DF1

Client order no. :
Order no. :
Offer no. :
Remarks :

Item no. :
Consignment no. :
Project :

Figure similar

Rated data	
Input	
Number of phases	3 AC
Line voltage	200 ... 480 V $\pm 10\%$
Line frequency	45 ... 66 Hz
Rated current	7.5 A
Inrush current	8.6 A

Output	
Number of phases	3 AC
Rated power (at 400V)	2.00 kW
Rated power (at 240V)	1.20 kW
Rated current I_N	7.0 A
Max. output current	24.0 A
Pulse frequency	8 kHz
Output frequency for servo control	0 ... 550 Hz

Electronics power supply	
Voltage	24 V $-15\% \dots +20\%$
Current demand, max.	1.0 A

Communication	
Communication	PROFINET

Ambient conditions	
Installation altitude	1,000 m (3,281 ft)
Cooling	Air cooling using an integrated fan
Ambient temperature during	
Operation	-10 ... 50 °C (14 ... 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 %

Inputs / outputs	
Standard digital inputs	

Standard digital inputs	
Number	5

of which 2 for F-DI

Fail-safe digital inputs	
Number	1

Can only be used for STO/SS1-t

Mechanical data	
Mounting position	vertical wall mounting
Degree of protection	IP20 / UL open type
Frame size	FSB
Net weight	3.30 kg (7.28 lb)
Dimensions	
Width	70.0 mm (2.76 in)
Height	280.0 mm (11.00 in)
Depth	222.8 mm (8.77 in)

Connections	
Line side	
Version	push-in spring-type terminals

Conductor cross-section	0.75 ... 6.00 mm ² / 18 ... 10 AWG
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Motor end	
Version	push-in spring-type terminals
Conductor cross-section	0.75 ... 6.00 mm ² / 18 ... 10 AWG

DC link (for braking resistor)	
Version	push-in spring-type terminals
Conductor cross-section	0.75 ... 6.00 mm ² / 18 ... 10 AWG
Cable length	10 m (32.81 ft)

PE connection	
Version	M4 screw studs

Max. motor cable length ¹⁾	
Shielded	50 m (164.04 ft)

Standards	
Compliance with standards	CE, cULus, RCM, UKCA
CE marking	Low-voltage directive 2006/95/EC

Verification of suitability for fail-safe	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
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¹⁾Cable length with possibility of connection an external filter