

Article No. : 6SL5310-1BB10-4CF0



Figure similar

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

Item no. :
Consignment no. :
Project :

Rated data	
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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 (at 400V)	0.40 kW
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	
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Voltage	24 V -15 % ... +20 %
Current demand, max.	0.8 A

Communication	
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Communication	PROFINET
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Ambient conditions	
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Installation altitude	1,000 m (3,281 ft)
Cooling	convection cooling

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

Inputs / outputs	
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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	
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Mounting position	vertical wall mounting
Degree of protection	IP20 / UL open type
Frame size	FSB
Net weight	1.30 kg (2.87 lb)

Dimensions	
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Width	55.0 mm (2.17 in)
Height	170.0 mm (6.69 in)
Depth	172.4 mm (6.79 in)

Connections	
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Line side	
Version	push-in spring-type terminals
Conductor cross-section	0.20 ... 2.50 mm² / 24 ... 14 AWG

Motor end	
Version	push-in spring-type terminals
Conductor cross-section	0.20 ... 2.50 mm² / 24 ... 14 AWG

DC link (for braking resistor)	
Version	push-in spring-type terminals
Conductor cross-section	0.20 ... 2.50 mm² / 24 ... 14 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	
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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

¹⁾Cable length with possibility of connection an external filter