

Article No. : 6SL3210-1KE11-8AP2

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

Item no. :
Consignment no. :
Project :



Figure similar

Rated data

Input		
Number of phases	?PMD_AAE014_001_000 ?	
Line voltage	... V + % %	
Line frequency	... Hz	
Rated current (LO)	A	
Rated current (HO)	A	
Output		
Number of phases	?PMD_AAC041_001_000 ?	
Rated voltage	400V IEC	480V NEC ¹⁾
Rated power (LO)	kW	hp
Rated power (HO)	kW	hp
Rated current (LO)	A	
Rated current (HO)	A	
Rated current (IN)	A	
Max. output current	A	
Pulse frequency	kHz	
Output frequency for vector control	... Hz	
Output frequency for V/f control	... Hz	

Overload capability

Low Overload (LO)
?PMD_ABX768_001_000 ?
High Overload (HO)
?PMD_ABX767_001_000 ?

General tech. specifications

Power factor λ	...
Offset factor cos φ	
Efficiency η	
Sound pressure level (1m)	dB
Filter class (integrated)	?PMD_ABY445_001_000 ?

Communication

Communication	?PMD_ABY317_001_000 ?
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Inputs / outputs

Standard digital inputs		
Number		
Switching level: 0→1	V	
Switching level: 1→0	V	
Max. inrush current	mA	

Fail-safe digital inputs		
Number		

Digital outputs		
Number as relay changeover contact		
Output (resistive load)	DC V, A	
Number as transistor		
Output (resistive load)	DC V, A	

Analog / digital inputs		
Number	(?PMD_ABY389_001_000 ?)	
Resolution	bit	

Switching threshold as digital input		
0→1	V	
1→0	V	

Analog outputs		
Number	(?PMD_ABY788_001_000 ?)	

PTC/ KTY interface		
	?PMD_ABU757_001_000 ?	

Closed-loop control techniques

V/f linear / square-law / parameterizable	?PMD_ABY274_001_000 ?
V/f with flux current control (FCC)	?PMD_ABY273_001_000 ?
V/f ECO linear / square-law	?PMD_ABY272_001_000 ?
Sensorless vector control	?PMD_ABY275_001_000 ?
Vector control, with sensor	?PMD_ACD534_001_000 ?
Encoderless torque control	?PMD_ACA696_001_000 ?
Torque control, with encoder	?PMD_ACD533_001_000 ?

Ambient conditions

Cooling	?PMD_AAA136_001_000 ?
Cooling air requirement	m³/s (ft³/s)
Installation altitude	m (ft)

Ambient temperature		
Operation	... °C (... °F)	
Transport	... °C (... °F)	
Storage	... °C (... °F)	

Relative humidity		
Max. operation	% ?PMD_ABX636_001_000 ?	

Data sheet for SINAMICS G120C

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Connections

Signal cable

Conductor cross-section	... mm ² (AWG ... AWG)
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Line side

Version	?PMD_ACA663_001_000 ?
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Conductor cross-section	... mm ² (AWG ... AWG)
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Motor end

Version	?PMD_ABY116_001_000 ?
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Conductor cross-section	... mm ² (AWG ... AWG)
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DC link (for braking resistor)

Version	?PMD_ABX769_001_000 ?
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Conductor cross-section	... mm ² (AWG ... AWG)
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Line length, max.	m (ft)
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PE connection	?PMD_ABV650_001_000 ?
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Max. motor cable length

Shielded	m (ft)
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Unshielded	m (ft)
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Mechanical data

Degree of protection	?PMD_ABJ176_001_000 ?
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Frame size	?PMD_ABW171_001_000 ?
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Net weight	kg (lb)
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Dimensions

Width	mm (in)
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Height	mm (in)
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Depth	mm (in)
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Standards

Compliance with standards	?PMD_AAA074_001_000 ?
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CE marking	?PMD_ABY842_001_000 ?
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¹⁾ The output current and HP ratings are valid for the voltage range 440V-480V