



Figure similar

Article No. : 6SL3210-1KE31-4UF1

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

Item no. :
Consignment no. :
Project :

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 $\cos \varphi$	
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 ?)
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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 ?

Data sheet for SINAMICS G120C

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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 ?

Connections

Signal cable

Conductor cross-section ... mm²
(AWG ... AWG)

Line side

Version ?PMD_ACA663_001_000 ?

Conductor cross-section ... mm²
(AWG ... AWG)

Motor end

Version ?PMD_ABY116_001_000 ?

Conductor cross-section ... mm²
(AWG ... AWG)

DC link (for braking resistor)

Version ?PMD_ABX769_001_000 ?

Conductor cross-section ... mm²
(AWG ... AWG)

Line length, max. m (ft)

PE connection ?PMD_ABV650_001_000 ?

Max. motor cable length

Shielded m (ft)

Unshielded m (ft)

Mechanical data

Degree of protection ?PMD_ABJ176_001_000 ?

Frame size ?PMD_ABW171_001_000 ?

Net weight kg (lb)

Dimensions

Width mm (in)

Height mm (in)

Depth mm (in)

Standards

Compliance with standards ?PMD_AAA074_001_000 ?

CE marking ?PMD_ABY842_001_000 ?

¹⁾The output current and HP ratings are valid for the voltage range 440V-480V