

+



Hasta agotar stock

KITS ESPECIALES

Código SAP: 37212085978

Incluye:

- VARIADOR TRIFASICO 1.5HP/1.10KW 380-480VAC 3.0A IP20 SINAMICS G120X 6SL32203YE120UF0+ BORNERA 8WA1206

sonepar
Powered *by* Difference

SIEMENS

Data sheet for SINAMICS G120X

Article No. : 6SL3220-3YE12-0UF0



Figure similar

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

Item no. :
Consignment no. :
Project :

Rated data

Input		
Number of phases	3 AC	
Line voltage	380 ... 480 V +10 % -20 %	
Line frequency	47 ... 63 Hz	
Rated voltage	**400V IEC**	**480V NEC**
Rated current (LO)	2.80 A	2.70 A
Rated current (HO)	2.10 A	2.00 A
Output		
Number of phases	3 AC	
Rated voltage	**400V IEC**	**480V NEC** [1]
Rated power (LO)	1.10 kW	1.50 hp
Rated power (HO)	0.75 kW	1.00 hp
Rated current (LO)	3.10 A	3.00 A
Rated current (HO)	2.20 A	2.10 A
Rated current (IN)	3.20 A	
Max. output current	3.40 A	
Pulse frequency	4 kHz	
Output frequency for vector control	0 ... 200 Hz	
Output frequency for V/f control	0 ... 550 Hz	
Overload capability		
Low Overload (LO)		
110% base load current IL for 60 s in a 300 s cycle time		
High Overload (HO)		
150% x base load current IH for 60 s within a 600 s cycle time		

General tech. specifications

Power factor λ	0.70 ... 0.85
Offset factor cos φ	0.96
Efficiency η	0.97
Sound pressure level (1m)	55 dB
Power loss [3]	0.055 kW
Filter class (integrated)	Unfiltered
EMC category (with accessories)	without
Safety function "Safe Torque Off"	without

Communication

Communication	PROFINET, EtherNet/IP

Inputs / outputs

Standard digital inputs	
Number	6
Switching level: 0 → 1	11 V
Switching level: 1 → 0	5 V
Max. inrush current	15 mA
Fail-safe digital inputs	
Number	1
Digital outputs	
Number as relay changeover contact	2
Output (resistive load)	DC 30 V, 5.0 A
Number as transistor	0
Analog / digital inputs	
Number	2 (Differential input)
Resolution	10 bit
Switching threshold as digital input	
0 → 1	4 V
1 → 0	1.6 V
Analog outputs	
Number	1 (Non-isolated output)
PTC/ KTY interface	
1 motor temperature sensor input, sensors that can be connected: PTC, KTY and Thermo-Click, accuracy ±5 °C	

Closed-loop control techniques

V/f linear / square-law / parameterizable	Yes
V/f with flux current control (FCC)	Yes
V/f ECO linear / square-law	Yes
Sensorless vector control	Yes
Vector control, with sensor	No
Encoderless torque control	No
Torque control, with encoder	No

SIEMENS

Data sheet for SINAMICS G120X

Article No. : **6SL3220-3YE12-0UF0**

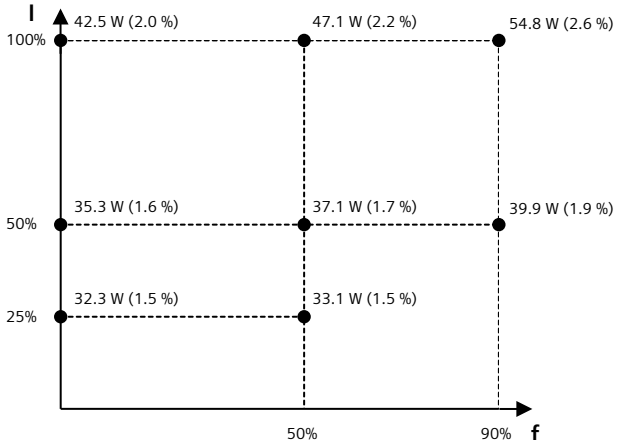
Ambient conditions	
Standard board coating type	Class 3C2, according to IEC 60721-3-3: 2002
Cooling	Air cooling using an integrated fan
Cooling air requirement	0.005 m³/s (0.177 ft³/s)
Installation altitude	1,000 m (3,280.84 ft)
Ambient temperature	
Operation	-20 ... 45 °C (-4 ... 113 °F)
Transport	-40 ... 70 °C (-40 ... 158 °F)
Storage	-25 ... 55 °C (-13 ... 131 °F)
Relative humidity	
Max. operation	95 % At 40 °C (104 °F), condensation and icing not permissible

Connections	
Signal cable	
Conductor cross-section	0.15 ... 1.50 mm² (AWG 24 ... AWG 16)
Line side	
Version	screw-type terminal
Conductor cross-section	1.50 ... 2.50 mm² (AWG 16 ... AWG 14)
Motor end	
Version	Screw-type terminals
Conductor cross-section	1.50 ... 2.50 mm² (AWG 16 ... AWG 14)
DC link (for braking resistor)	
PE connection	On housing with M4 screw
Max. motor cable length	
Shielded	150 m (492.13 ft)
Unshielded	300 m (984.25 ft)

Mechanical data	
Degree of protection	IP20 / UL open type
Frame size	FSA
Net weight	3.2 kg (7.05 lb)
Dimensions	
Width	73 mm (2.87 in)
Height	232 mm (9.13 in)
Depth	218 mm (8.58 in)

Standards	
Compliance with standards	UL, cUL, CE, C-Tick (RCM), EAC, KCC, SEMI F47, REACH
CE marking	EMC Directive 2004/108/EC, Low-Voltage Directive 2006/95/EC

Converter losses to IEC61800-9-2*	
Efficiency class	IE2
Comparison with the reference converter (90% / 100%)	31.1 %



The percentage values show the losses in relation to the rated apparent power of the converter.

The diagram shows the losses for the points (as per standard IEC61800-9-2) of the relative torque generating current (I) over the relative motor stator frequency(f). The values are valid for the basic version of the converter without options/components.

*converted values

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

[3] Typical value. More information can be found in the element group "Converter losses to IEC 61800-9-2" in this datasheet.

SIEMENS

Data sheet for SINAMICS G120X

Article No. : **6SL3220-3YE12-0UF0**

Operator panel: Intelligent Operator Panel (IOP-2)

Screen

Display design	LCD color
Screen resolution	320 x 240 Pixel

Mechanical data

Degree of protection	IP55 / UL type 12
Net weight	0.134 kg (0.30 lb)
Dimensions	
Width	70.00 mm (2.76 in)
Height	106.85 mm (4.21 in)
Depth	19.65 mm (0.77 in)

Ambient conditions

Ambient temperature	
Operation	0 ... 50 °C (32 ... 122 °F) 55 °C only with door mounting kit
Storage	-40 ... 70 °C (-40 ... 158 °F)
Transport	-40 ... 70 °C (-40 ... 158 °F)
Relative humidity at 25°C during	
Max. operation	95 %

Approvals

Certificate of suitability	CE, cULus, EAC, KCC, RCM

SIEMENS

Hoja de datos 8WA1206

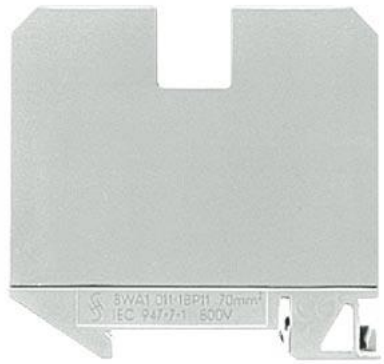


Figura similar

Borne de paso termoplástico Borne de tornillo en ambos lados Borne sencillo 25 mm, tam. 70

La versión	
nombre comercial del producto	SENTRON
designación del producto	bornes para carril ALPHA FIX
tipo de regleta de bornes / puenteado interno en niveles de bornes	No
Datos técnicos generales	
tamaño de cuadrícula de bornes	25 mm
tensión de empleo / valor asignado	800 V
Clase de protección	
clase de combustibilidad según UL 94	V2
Circuito principal	
intensidad de empleo / valor asignado	192 A
Apariencia	
color	beige
Detalles del producto	
componente del producto / necesario / placa terminal	No
Número	
número de niveles de bornes	1
número de puntos de embornado / por nivel de bornes	2
Conexiones	
longitud a pelar	25 mm
sección de conductor conectable / monofilar	
● mín.	10 mm²
● máx.	95 mm²
sección de conductor conectable / multifilar	
● mín.	16 mm²
● máx.	95 mm²
sección de conductor conectable / alma flexible	
● con preparación de los extremos de cable / mín.	16 mm²
● con preparación de los extremos de cable / máx.	70 mm²
● sin preparación de extremos de cable / mín.	16 mm²
● sin preparación de extremos de cable / máx.	95 mm²
par de apriete / con bornes de tornillo	
● mín.	6 N·m
● máx.	6 N·m
ejecución de la conexión	
● 1	Bornes de tornillo
● 2	Bornes de tornillo

Sujeto a cambios
© Copyright Siemens

posición / del borne de conexión	lateral
Diseño Mecánico	
altura / con tipo de montaje con menor altura	26 mm
longitud	73,5 mm
tipo de fijación	Perfil de 35 mm
peso neto	170 g
material / del cuerpo aislante	termoplástico
Condiciones ambientales	
temperatura ambiente / durante el funcionamiento	
● mín.	-25 °C
● máx.	55 °C

General Product Approval	Declaration of Conformity	Test Certificates	other
  		Miscellaneous	Environmental Confirmations

other

Miscellaneous

Más información

Information- and Downloadcenter (Catálogos, Folletos,…)
http://www.siemens.com/lowvoltage/catalogs
Industry Mall (sistema de pedido online)
https://mall.industry.siemens.com/mall/es/es/Catalog/product?mlfb=8WA1206
Service&Support (Manuales, certificados, características, FAQ,…)
https://support.industry.siemens.com/cs/ww/es/ps/8WA1206
Base de datos de imágenes (fotos de producto, dibujos acotados 2D, modelos 3D, esquemas de conexiones, …)
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=8WA1206
CAx-Online-Generator
http://www.siemens.com/cax
Tender specifications
http://www.siemens.com/specifications

© Copyright Siemens

© Copyright Siemens