



Rilascio alla vendita e consegna del SINAMICS G220 - IP55/UL Type 12 - 200V 3AC - 400V 3AC

ID: 109902648

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Con effetto immediato viene rilasciato alla vendita e consegna il SINAMICS G220 in IP55/UL Type 12 nei frame size FSB, FSC, FSD1, FSD2 e FSE. Il SINAMICS G220 è un convertitore high-end per il continuous motion. Nel primo step, vengono rilasciate le versioni a 200 V...240 V 3AC (1.1 kW - 30 kW) e 380 V...500 V 3AC (1.1 kW - 55 kW).

Il focus del SINAMICS G220 è sui mercati verticali: food & beverage, farma, chimico, oil & gas, marino e macchine in generale.

- Cybersecurity integrata con interfaccia UMAC
- Safety Integrated fino a SIL3 PLe Cat. 4
- New safety function SMT (Safe Motor Temperature)
- PROFINET IRT, Modbus TCP/IP, EtherNet/IP
- Ridondanza S2 e MRP
- Web server integrato
- Controllo vettoriale di alto livello
- Lunghezza cavi motore fino a 150 m con EMC Categoria C2

La messa in Servizio del SINAMICS G220 può essere eseguita sia con il web server integrato che con Startdrive in TIA Portal (>V18 SP2).

Hardware Option Module (OM) disponibili:

- OM-DQ (DRIVE-CLiQ) – Connessione e setup a due porte DRIVE-CLiQ

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Opzioni software:

- Safety Extended (SS1, SLS, SSM, SDI)
- Motor Control Extended – Controllo ottimizzato dei motori a riluttanza con velocità prossima allo zero

Il Repair Switch (interruttore di sezionamento) opzionale, sarà disponibile a breve

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IP55/UL Type 12 - 200 ... 240 V 3 AC - 1.1 kW to 30 kW (1.5 hp to 40 hp)

Selection and ordering data

SINAMICS G220 built-in and wall-mounted units											SINAMICS G220 without integrated line filter
Rated power		Rated output current		Rated output current		Rated input current		Frame size		Article No.	
Low overload (LO)		High overload (HO)		Low overload (LO)		High overload (HO)		Low overload (LO)			
Acc. to IEC	Acc. to NEC	Acc. to IEC	Acc. to NEC	Acc. to IEC	Acc. to NEC	Acc. to IEC	Acc. to NEC	Acc. to IEC	Acc. to NEC		
230 V	240 V	230 V	240 V	230 V	240 V	230 V	240 V	230 V	240 V		
kW	hp	kW	hp	A	A	A	A	A	A		
200 ... 240 V 3 AC - Rated pulse frequency 4 kHz - Input frequency 50/60 Hz (47 ... 63 Hz)											
1.1	1.5	0.75	1	6.5	6	4.7	4.2	5.4	5.1	FSB	6SL4112-0 ■ 08 - 0 ■ F 0
1.5	2	1.1	1.5	8.5	6.8	6.5	6	7.1	6.4	FSB	6SL4112-0 ■ 10 - 0 ■ F 0
2.2	3	1.5	2	11	9.6	8.5	6.8	10.1	9.3	FSB	6SL4112-0 ■ 11 - 0 ■ F 0
3	4	2.2	3	14.5	12.4	11	9.6	13.1	11.9	FSB	6SL4112-0 ■ 12 - 0 ■ F 0
4	5	3	4	19	15.2	14.5	12.4	17.7	14.7	FSB	6SL4112-0 ■ 13 - 0 ■ F 0
5.5	7.5	4	5	27	22	19	15.2	21.7	20.1	FSC	6SL4112-0 ■ 15 - 0 ■ F 0
7.5	10	5.5	7.5	34	28	27	22	29.5	26.6	FSC	6SL4112-0 ■ 16 - 0 ■ F 0
11	15	7.5	10	46	42	40	28	41.8	39.5	FSD2	6SL4112-0 ■ 17 - 0 ■ F 0
15	20	11	15	63	54	46	42	53.9	49.7	FSD2	6SL4112-0 ■ 18 - 0 ■ F 0
18.5	25	15	20	75	68	63	54	66.5	62.5	FSD2	6SL4112-0 ■ 20 - 0 ■ F 0
22	30	18.5	25	90	80	75	68	76.0	72.1	FSE	6SL4112-0 ■ 21 - 0 ■ F 0
30	40	22	30	112	104	90	80	103.2	96.1	FSE	6SL4112-0 ■ 23 - 0 ■ F 0

Article No. supplements

Degree of protection	Cooling	Coating acc. to IEC 60721-3-3: 2002	Housing						
IP55/UL Type 12	Internal	Class 3C2	Standard	J					
		Class 3C3 ¹⁾	Maintenance switch ¹⁾	L					
			Standard	K					
			Maintenance switch ¹⁾	M					
Hardware configurations									
Standard									
Gland plate for connecting in IP55 degree of protection according to IEC									
Gland plate for connecting in UL Type 12 degree of protection									
Line filter									
Without integrated line filter									
Additional hardware option									
Without hardware option or with more than one hardware option (see Special versions)									
OM-DQ Option Module DRIVE-CLIQ									
OM-IIoT Option Module IIoT ¹⁾									
OM-SMT Option Module Safe Motor Temperature									
Communication									
PROFINET, Modbus TCP and EtherNet/IP									
Special versions									
Only for selection of more than one hardware option (Additional hardware option = 'A')									
6SL4112-0 ■ ... ■ A ■ 0									
OM-DQ Option Module DRIVE-CLIQ									
OM-IIoT Option Module IIoT ¹⁾									
OM-SMT Option Module Safe Motor Temperature									
Order codes									
Z									
T01									
T04									
T05									

¹⁾ Available soon.

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IP55/UL Type 12 - 380 ... 500 V 3 AC - 1.1 kW to 55 kW (1.5 hp to 75 hp)

Selection and ordering data

SINAMICS G220 built-in and wall-mounted units											SINAMICS G220 without integrated line filter	SINAMICS G220 with integrated line filter
Rated power		Rated output current		Rated output current		Rated input current		Frame size		Article No.	Article No.	
Low overload (LO)		High overload (HO)		Low overload (LO)		High overload (HO)		Low overload (LO)				
Acc. to IEC 400 V	Acc. to NEC 480 V	Acc. to IEC 400 V	Acc. to NEC 480 V	Acc. to IEC 400 V	Acc. to NEC 480 V	Acc. to IEC 400 V	Acc. to NEC 480 V	Acc. to IEC 400 V	Acc. to NEC 480 V			
kW	hp	kW	hp	A	A	A	A	A	A			
380 ... 500 V 3 AC - Rated pulse frequency 4 kHz - Input frequency 50/60 Hz (47 ... 63 Hz)												
1.1	1.5	0.75	1	3.9	3	2.9	2.1	3.3	3.0	FSB	6SL4113-0 ■ ■ 08 - 0 ■ F 0	6SL4113-0 ■ ■ 08 - 2 ■ F 0
1.5	2	1.1	1.5	4.7	3.4	3.9	3	4.1	3.7	FSB	6SL4113-0 ■ ■ 10 - 0 ■ F 0	6SL4113-0 ■ ■ 10 - 2 ■ F 0
2.2	3	1.5	2	6.5	4.8	4.7	3.4	5.6	4.9	FSB	6SL4113-0 ■ ■ 11 - 0 ■ F 0	6SL4113-0 ■ ■ 11 - 2 ■ F 0
3	4	2.2	3	8.5	6.2	6.5	4.8	7.3	6.1	FSB	6SL4113-0 ■ ■ 12 - 0 ■ F 0	6SL4113-0 ■ ■ 12 - 2 ■ F 0
4	5	3	4	11	7.6	8.5	6.2	9.6	7.3	FSB	6SL4113-0 ■ ■ 13 - 0 ■ F 0	6SL4113-0 ■ ■ 13 - 2 ■ F 0
5.5	7.5	4	5	14.5	11	11	7.6	12.9	11.0	FSB	6SL4113-0 ■ ■ 15 - 0 ■ F 0	6SL4113-0 ■ ■ 15 - 2 ■ F 0
7.5	10	5.5	7.5	19	14	14.5	11	17.3	14.0	FSB	6SL4113-0 ■ ■ 16 - 0 ■ F 0	6SL4113-0 ■ ■ 16 - 2 ■ F 0
11	15	7.5	10	27	21	19	14	23.3	19.6	FSC	6SL4113-0 ■ ■ 17 - 0 ■ F 0	6SL4113-0 ■ ■ 17 - 2 ■ F 0
15	20	11.0	15	34	27	27	21	31.3	25.4	FSC	6SL4113-0 ■ ■ 18 - 0 ■ F 0	6SL4113-0 ■ ■ 18 - 2 ■ F 0
18.5	25	15.0	20	40	34	34	27	37.8	31.6	FSD1	6SL4113-0 ■ ■ 20 - 0 ■ F 0	6SL4113-0 ■ ■ 20 - 2 ■ F 0
22	30	18.5	25	46	40	40	34	44.9	37.5	FSD1	6SL4113-0 ■ ■ 21 - 0 ■ F 0	6SL4113-0 ■ ■ 21 - 2 ■ F 0
30	40	22.0	30	63	52	46	40	59.9	49.8	FSD2	6SL4113-0 ■ ■ 23 - 0 ■ F 0	6SL4113-0 ■ ■ 23 - 2 ■ F 0
37	50	30	40	75	65	63	52	72.6	59.9	FSD2	6SL4113-0 ■ ■ 24 - 0 ■ F 0	6SL4113-0 ■ ■ 24 - 2 ■ F 0
45	60	37	50	90	77	75	65	88.7	71.3	FSE	6SL4113-0 ■ ■ 26 - 0 ■ F 0	6SL4113-0 ■ ■ 26 - 2 ■ F 0
55	75	45	60	112	96	90	77	105.9	88.3	FSE	6SL4113-0 ■ ■ 27 - 0 ■ F 0	6SL4113-0 ■ ■ 27 - 2 ■ F 0

Article No. supplements

Degree of protection	Cooling	Coating acc. to IEC 60721-3-3: 2002	Housing								
IP55/UL Type 12	Internal	Class 3C2	Standard	J							J
		Class 3C3 ¹⁾	Maintenance switch ¹⁾	L							L
			Standard	K							K
			Maintenance switch ¹⁾	M							M
Hardware configurations											
Standard				A							A
Gland plate for connecting in IP55 degree of protection according to IEC				P							P
Gland plate for connecting in UL Type 12 degree of protection				Q							Q
Line filter											
Without integrated line filter											0
With integrated line filter Category C2											2
Additional hardware option											
Without hardware option or with more than one hardware option (see Special versions)				A							A
OM-DQ Option Module DRIVE-CLiQ				B							B
OM-IIoT Option Module IIoT ¹⁾				E							E
OM-SMT Option Module Safe Motor Temperature				F							F
Communication											
PROFINET, Modbus TCP and EtherNet/IP				F							F
Special versions											
Only for selection of more than one hardware option (Additional hardware option = "A")				6SL4113-0 ■ ... - . A . 0				Order codes			
OM-DQ Option Module DRIVE-CLiQ								-Z...+...+...			
OM-IIoT Option Module IIoT ¹⁾								T01			
OM-SMT Option Module Safe Motor Temperature								T04			
								T05			

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- EMC: Filtro C2 (400 V) non filtrato
- Grado di protezione: IP55/UL - Type 12
- Raffreddamento: ad aria con ventola integrata
- Temperatura ambiente: - 20 a 40 °C / a 50 °C (> 40 °C con derating)
- Lunghezza cavi motore: 150 m (EMC categoria C2)
- Tipo di controllo: V/f, FCC, ECO, vettoriale (con e senza encoder), controllo di coppia (con e senza encoder)
- Sovraccarico: HO: 200 % 3 s, 150 % 57 s, LO: 150 % 3 s, 110 % 57 s ogni 300 s
- Ingressi/uscite:

6 DI (1 PTI / 2 FDI)
1 F-DI
3 DO (1 NO 2 NO/NC relè)
1 F-DO
2 AI
1 AO

- Comunicazione: CM-PN PROFINET + Modbus TCP/IP + EtherNet/IP

Links for additional information:

- [Siemens Product Configurator](#)
- [SINAMICS G220 web site](#)
- [Catalogo](#)

- Certificati:
 - CE
 - UL/cUL
 - KC
 - RCM (A breve)
 - PROFINET
 - ROHS