

MANUFACTURER DOCUMENT PACKAGE

Manufacturer's Manual

Reference package for procurement and maintenance review

SIEMENS

6SL3054-4AG00-2AA0-Z

SINAMICS MEMORY CARD WITH SUPPLEMENTAL OPTION

Used with the applicable SINAMICS memory and licensing configuration.

REFERENCE PACKAGE

OFFICIAL DOCUMENT

Selected official manufacturer pages follow this cover.

Source: Siemens official documentation applicable to 6SL3054-4AG00-2AA0-Z

SINAMICS G115D distributed drive system • Wall-mounted

0.37 kW to 7.5 kW (0.5 to 10 hp)

SINAMICS G115D distributed converters wall-mounted

Selection and ordering data

SINAMICS G115D distributed converters wall-mounted · 380 ... 480 V 3 AC																												
Rated power ¹⁾		Rated output current I _N ²⁾	Rated input current ³⁾	Frame size	SINAMICS G115D wall-mounted Degree of protection IP65/IP66/UL Type 4X with integrated line filter class A according to EN 55011																							
400 V kW	480 V hp	at 400 V A	at 400 V A		Data position in Article No.																							
					1	2	3	4	5	6	7	-	8	9	10	11	12	-	13	14	15	16						
380 ... 480 V 3 AC · Rated pulse frequency 4 kHz · Input frequency 45 ... 66 Hz																												
0.37	0.5	1.3	1.23	FSA	6	S	L	3	5	2	■	-	■	X	■	■	0	-	3	A	■	0						
0.55	0.75	1.7	1.58	FSA	6	S	L	3	5	2	■	-	■	X	■	■	0	-	5	A	■	0						
0.75	1	2.2	1.99	FSA	6	S	L	3	5	2	■	-	■	X	■	■	0	-	7	A	■	0						
1.1	1.5	3.1	2.69	FSA	6	S	L	3	5	2	■	-	■	X	■	■	1	-	1	A	■	0						
1.5	2	4.1	3.48	FSA	6	S	L	3	5	2	■	-	■	X	■	■	1	-	5	A	■	0						
2.2	3	5.9	5.18	FSB	6	S	L	3	5	2	■	-	■	X	■	■	2	-	2	A	■	0						
3.0	4	7.7	6.76	FSB	6	S	L	3	5	2	■	-	■	X	■	■	3	-	0	A	■	0						
4.0	5	10.2	8.95	FSB	6	S	L	3	5	2	■	-	■	X	■	■	4	-	0	A	■	0						
5.5	7.5	13.2	11.88	FSC	6	S	L	3	5	2	■	-	■	X	■	■	5	-	5	A	■	0						
7.5	10	19	17.11	FSC	6	S	L	3	5	2	■	-	■	X	■	■	7	-	5	A	■	0						
Article No. supplements																												
Brake control																												
180 V DC (independent of the line voltage) *)																												
380 ... 480 V AC (such as line voltage)																												
Operating options																												
Without operating option *)																												
Repair switch																												
Local remote control																												
Repair switch and local remote control																												
Connection type		Fieldbus communication	I/O	Motor	380 ... 480 V AC	24 V DC ⁵⁾																						
Cable gland with daisy chain	M12	M12	Q8/0	Cable gland	Cable gland *)																	A	2					
					Cable gland																	A	6					
					Q8/0 Cable gland																	R	0					
					Cable gland	2 × Power M12 ⁶⁾																	R	1				
					Cable gland	Power supply unit integrated																	H	2				
					M12 Cable gland	Power supply unit integrated																	H	6				
Plug-in connection without daisy chain	M12	M12	Q8/0	Q4/2	7/8* ⁵⁾																	B	0					
					Power M12 ⁶⁾																	B	4					
					Quickon ⁴⁾	Power M12 ⁵⁾																	C	0				
					MQ15 ⁴⁾	Power M12 ⁵⁾																	D	0				
					Q4/2	Power supply unit integrated																	K	0				
					Quickon ⁴⁾	Power supply unit integrated																	L	0				
					MQ15 ⁴⁾	Power supply unit integrated																	M	0				
Plug-in connection with daisy chain	M12	M12	Q8/0	2 × Q4/2	2 × 7/8* *) ⁵⁾																	E	0					
					2 × Power M12 ⁶⁾																	E	4					
					Power supply unit integrated																	N	0					
Fieldbus communication																												
AS-Interface																												
PROFINET, EtherNet/IP																												
A F																												

* If you select "Brake voltage 180 V DC" and "Without operating option" in combination with one of the connection types **A2** or **E0**, the delivery time will change from **'standard delivery time'** to **'delivery ex stock'**.

- ¹⁾ Rated power based on the rated output current I_N .
The rated output current I_N is based on the duty cycle for high overload (HO).
- ²⁾ The rated output current I_N is based on the duty cycle for high overload (HO). These current values apply at 400 V and are specified on the rating plate of the converter.
- ³⁾ The input current depends on the motor load and line impedance.
The input currents apply for a load at rated power for a line impedance corresponding to $u_K = 4\%$.
The current values are specified on the rating plate of the converter.

- ⁴⁾ Not suitable for UL applications (FSA and FSB). Not available for FSC.
- ⁵⁾ Plug-in connector for 24 V DC with fieldbus communication AS-Interface not available. For AS-Interface the 24 V DC power supply is provided via the M12 plug-in connector for fieldbus communication.
- ⁶⁾ Version **B4** or **E4** with fieldbus communication AS-Interface cannot be ordered, is covered by version **B0** or **E0**.

Clicking to SiePortal

6SL3255-0AA00-5AA0



SINAMICS G115D distributed drive system • Wall-mounted

0.37 kW to 7.5 kW (0.5 to 10 hp)

SINAMICS G115D distributed converters wall-mounted

Selection and ordering data

Supplementary system components for SINAMICS G115D

Description	Article No.
Fuses	
<ul style="list-style-type: none"> 10 A for FSA 16 A for FSB 32 A for FSC 	3NA3803 3NA3805 3NA3812
External braking resistors	
Continuous braking power	
<ul style="list-style-type: none"> 200 W for FSA 240 W for FSA 480 W for FSA 200 W for FSB 240 W for FSB 600 W for FSB 600 W for FSC 1200 W for FSC 	6SL3501-1BE32-0AA0 6SL3501-1BE32-4AA0 6SL3501-1BE34-8AA0 6SL3501-1BE32-0BA0 6SL3501-1BE32-4BA0 6SL3501-1BE36-0BA0 6SL3501-1BE36-0CA0 6SL3501-1BE41-2CA0
SINAMICS SD memory card	
<ul style="list-style-type: none"> 512 MB, empty 512 MB + firmware V4.7 SP14 512 Mbyte empty + License Extended Functions Safety (SLS) ¹⁾ 512 Mbyte + Firmware V4.7 SP14 + License Extended Functions Safety (SLS) ¹⁾ License (without SD Card) for upgrading license of an existing SD Card ²⁾ 	6SL3054-4AG00-2AA0 6SL3054-7TH00-2BA0 6SL3054-4AG00-2AA0-Z F01 6SL3054-7TH00-2BA0-Z F01 6SL3074-0AA10-0AH0
SINAMICS G120 Smart Access	6SL3255-0AA00-5AA0
Web server module for wireless commissioning, operation and diagnostics using a smartphone, tablet, or laptop	
Interface kit	6SL3555-0XA00-0AA0
for web server module SINAMICS G120 Smart Access	
MindConnect IOT2040	9AC2112-0AA00-1YA2
to connect to Insights Hub via PN with up to 30 data points per second	
MindConnect Nano	9AC2112-8BA12-0KA1
to connect to Insights Hub via PN with up to 250 data points per second	
PC converter connection kit 2	6SL3255-0AA00-2CA0
USB cable (3 m (9.84 ft) long)	
Installation kit	6SL3566-2GW00-0GA0
for SINAMICS G115D wall-mounted	
Cover kit	6SL3566-2GA00-0GA0
for outputs 380 ... 480 V AC (Q4/2) and 24 V DC (7/8" and M12)	

IE connecting cable
M12-180/M12-180 axial outlet

- 0.3 m (0.98 ft)
- 0.5 m (1.64 ft)
- 1 m (3.28 ft)
- 1.5 m (4.92 ft)

6XV1870-8AE30
6XV1870-8AE50
6XV1870-8AH10
6XV1870-8AH15

- 2 m (6.56 ft)
- 3 m (9.84 ft)
- 5 m (16.41 ft)
- 10 m (32.81 ft)
- 15 m (49 ft)

6XV1870-8AH20
6XV1870-8AH30
6XV1870-8AH50
6XV1870-8AN10
6XV1870-8AN15

PROFINET connecting cable

IE connecting cable M12-180/IE FC
RJ45 plug 145 axial outlet

- 2 m (6.56 ft)
- 3 m (9.84 ft)
- 5 m (16.41 ft)
- 10 m (32.81 ft)
- 15 m (49 ft)

6XV1871-5TH20
6XV1871-5TH30
6XV1871-5TH50
6XV1871-5TN10
6XV1871-5TN15

PROFINET connectors

IE M12 plug PRO axial outlet

- 1 unit
- 8 units

6GK1901-0DB20-6AA0
6GK1901-0DB20-6AA8

AS-Interface M12 branch

3RK1901-2NR20Connecting cables/plug-in connectors for
24 V DC power supply

7/8" plug-in connector axial outlet

- Pin insert (OUT)
- Socket insert (IN)

6GK1905-0FA00
6GK1905-0FB00
Connecting cables/plug-in connectors for
24 V DC power supply

7/8" plug-in cable axial outlet

- 0.3 m (0.98 ft)
- 0.5 m (1.64 ft)
- 1 m (3.28 ft)
- 1.5 m (4.92 ft)

6XV1822-5BE30
6XV1822-5BE50
6XV1822-5BH10
6XV1822-5BH15

- 2 m (6.56 ft)
- 3 m (9.84 ft)
- 5 m (16.41 ft)
- 10 m (32.81 ft)
- 15 m (49 ft)

6XV1822-5BH20
6XV1822-5BH30
6XV1822-5BH50
6XV1822-5BN10
6XV1822-5BN15
Plug-in connectors for digital inputs and
digital outputs**6ES7194-6KA00-0XA0**Y cable for distributed I/Os for dual
connection of I/Os using single cables,
5-pole, M12, 200 mm (7.87 in)Connecting cable pre-assembled at one
end to connect to the line supply

- 1.5 m (4.92 ft)
- 5 m (16.41 ft)

3RK1911-0DB13
3RK1911-0DB33
Connector set Q4/2 (angled)
for energy supply

- 2.5 mm²
- 4 mm²
- 6 mm²

3RK1911-2BE50
3RK1911-2BE10
3RK1911-2BE30
Quickon system connector for
connections for 380 ... 480 V AC

- Quickon nut
- Quickon connector

6SL3566-4NA00-0GA0
6SL3566-4MA00-0GA0
Connector set Q4/2 (angled)
for power loop-through

- 2.5 mm²
- 4 mm²

3RK1911-2BF50
3RK1911-2BF10

Training case

SINAMICS G115D training case
 SINAMICS G115D distributed drive system,
 PROFINET, FSA, 0.37 kW, helical geared
 motor, incl. SIMATIC S7-1200F and
 MindConnect IoT 2040

6AG1067-1AA38-0AA0

¹⁾ The Certificate of License (CoL) is located on the SINAMICS SD card. In addition, notification of an optional download is received by email.

²⁾ With a CoL in electronic form, the license is supplied as a PDF file. Notification of this with a download link is received by email.

SINAMICS G115D distributed drive system • Wall-mounted
0.37 kW to 7.5 kW (0.5 to 10 hp)

[Clicking to SiePortal](#)

6SL3255-0AA00-5AA0



SINAMICS G115D distributed converters wall-mounted

Selection and ordering data

Spare parts for SINAMICS G115D

Description	Article No.
Electronic Modules	
• FSA, 0.37 kW	6SL3500-0XE50-3A0
• FSA, 0.55 kW	6SL3500-0XE50-5A0
• FSA, 0.75 kW	6SL3500-0XE50-7A0
• FSA, 1.1 kW	6SL3500-0XE51-1A0
• FSA, 1.5 kW	6SL3500-0XE51-5A0
• FSB, 2.2 kW	6SL3500-0XE52-2A0
• FSB, 3 kW	6SL3500-0XE53-0A0
• FSB, 4 kW	6SL3500-0XE54-0A0
• FSC, 5.5 kW	6SL3500-0XE55-5A0
• FSC, 7.5 kW	6SL3500-0XE57-5A0
<u>Fieldbus communication</u>	
• AS-Interface	A
• Without fieldbus communication	B
• PROFINET, EtherNet/IP	F
Spare parts kit for SINAMICS G115D wall-mounted	6SL3500-0XK51-0AA0
Replacement fan for SINAMICS G115D wall-mounted	6SL3500-0XF51-0AA0