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Selection and ordering data

SINAMICS G115D distributed converters wall-mounted · 380 ... 480 V 3 AC

Rated power [1] 400 V kW	Rated power [1] 480 V hp	Rated output current I_N [2] at 400 V A	Rated input current [3] at 400 V A	Frame size	SINAMICS G115D wall-mounted Degree of protection IP65/IP66/UL Type 4X with integrated line filter class A according to EN 55011 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) *)	**0**
380 ... 480 V AC (such as line voltage)	**1**

Operating options

Without operating option *)	**0**
Repair switch	**1**
Local remote control	**2**
Repair switch and local remote control	**3**

Connection type	Fieldbus communication	I/O	Motor	380 ... 480 V AC	24 V DC [5]	
Cable gland with daisy chain	M12	Cable gland *)				**A 2**
		M12	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	**A**
PROFINET, EtherNet/IP	**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**.

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Selection and ordering data

Supplementary system components for SINAMICS G115D

Description	Article No.
Fuses	
• 10 A for FSA	**3NA3803**
• 16 A for FSB	**3NA3805**
• 32 A for FSC	**3NA3812**
External braking resistors Continuous braking power	
• 200 W for FSA	**6SL3501-1BE32-0AA0**
• 240 W for FSA	**6SL3501-1BE32-4AA0**
• 480 W for FSA	**6SL3501-1BE34-8AA0**
• 200 W for FSB	**6SL3501-1BE32-0BA0**
• 240 W for FSB	**6SL3501-1BE32-4BA0**
• 600 W for FSB	**6SL3501-1BE36-0BA0**
• 600 W for FSC	**6SL3501-1BE36-0CA0**
• 1200 W for FSC	**6SL3501-1BE41-2CA0**
SINAMICS SD memory card	
• 512 MB, empty	**6SL3054-4AG00-2AA0**
• 512 MB + firmware V4.7 SP14	**6SL3054-7TH00-2BA0**
• 512 Mbyte empty + **License** Extended Functions Safety (SLS) [1]	**6SL3054-4AG00-2AA0-Z F01**
• 512 Mbyte + Firmware V4.7 SP14 + **License** Extended Functions Safety (SLS) [1]	**6SL3054-7TH00-2BA0-Z F01**
• License (without SD Card) for upgrading license of an existing SD Card [2]	**6SL3074-0AA10-0AH0**
More information on firmware V4.7 SP14: https://support.industry.siemens.com/cs/document/109817231	
For an overview and more information on all available firmware versions, see https://support.industry.siemens.com/cs/document/67364620	
SINAMICS G120 Smart Access Web server module for wireless commissioning, operation and diagnostics using a smartphone, tablet, or laptop	**6SL3255-0AA00-5AA0**
Interface kit for web server module SINAMICS G120 Smart Access	**6SL3555-0XA00-0AA0**
MindConnect IOT2040 to connect to Insights Hub via PN with up to 30 data points per second	**9AC2112-0AA00-1YA2**
MindConnect Nano to connect to Insights Hub via PN with up to 250 data points per second	**9AC2112-8BA12-0KA1**
PC converter connection kit 2 USB cable (3 m (9.84 ft) long)	**6SL3255-0AA00-2CA0**
Installation kit for SINAMICS G115D wall-mounted	**6SL3566-2GW00-0GA0**
Cover kit for outputs 380 ... 480 V AC (Q4/2) and 24 V DC (7/8" and M12)	**6SL3566-2GA00-0GA0**

[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.

Description	Article No.
Connecting cables An overview of all available accessories (e.g. plugs and cables) can be found under the following link: www.siemens.com/distributeddrives-supplementaryproducts	
PROFINET connecting cable	
IE connecting cable M12-180/M12-180 axial outlet	
• 0.3 m (0.98 ft)	**6XV1870-8AE30**
• 0.5 m (1.64 ft)	**6XV1870-8AE50**
• 1 m (3.28 ft)	**6XV1870-8AH10**
• 1.5 m (4.92 ft)	**6XV1870-8AH15**
• 2 m (6.56 ft)	**6XV1870-8AH20**
• 3 m (9.84 ft)	**6XV1870-8AH30**
• 5 m (16.41 ft)	**6XV1870-8AH50**
• 10 m (32.81 ft)	**6XV1870-8AN10**
• 15 m (49 ft)	**6XV1870-8AN15**
PROFINET connecting cable	
IE connecting cable M12-180/IE FC RJ45 plug 145 axial outlet	
• 2 m (6.56 ft)	**6XV1871-5TH20**
• 3 m (9.84 ft)	**6XV1871-5TH30**
• 5 m (16.41 ft)	**6XV1871-5TH50**
• 10 m (32.81 ft)	**6XV1871-5TN10**
• 15 m (49 ft)	**6XV1871-5TN15**
PROFINET connectors	
IE M12 plug PRO axial outlet	
• 1 unit	**6GK1901-0DB20-6AA0**
• 8 units	**6GK1901-0DB20-6AA8**
AS-Interface M12 branch	**3RK1901-2NR20**
Connecting cables/plug-in connectors for 24 V DC power supply	
7/8" plug-in connector axial outlet	
• Pin insert (OUT)	**6GK1905-0FA00**
• Socket insert (IN)	**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)	**6XV1822-5BE30**
• 0.5 m (1.64 ft)	**6XV1822-5BE50**
• 1 m (3.28 ft)	**6XV1822-5BH10**
• 1.5 m (4.92 ft)	**6XV1822-5BH15**
• 2 m (6.56 ft)	**6XV1822-5BH20**
• 3 m (9.84 ft)	**6XV1822-5BH30**
• 5 m (16.41 ft)	**6XV1822-5BH50**
• 10 m (32.81 ft)	**6XV1822-5BN10**
• 15 m (49 ft)	**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)	**3RK1911-0DB13**
• 5 m (16.41 ft)	**3RK1911-0DB33**
Connector set Q4/2 (angled) for energy supply	
• 2.5 mm^2	**3RK1911-2BE50**
• 4 mm^2	**3RK1911-2BE10**
• 6 mm^2	**3RK1911-2BE30**
Quickon system connector for connections for 380 ... 480 V AC	
• Quickon nut	**6SL3566-4NA00-0GA0**
• Quickon connector	**6SL3566-4MA00-0GA0**
Connector set Q4/2 (angled) for power loop-through	
• 2.5 mm^2	**3RK1911-2BF50**
• 4 mm^2	**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**

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Selection and ordering data

Spare parts for SINAMICS G115D

Description	Article No.
Electronic Modules	
• FSA, 0.37 kW	**6SL3500-0XE50-3■A0**
• FSA, 0.55 kW	**6SL3500-0XE50-5■A0**
• FSA, 0.75 kW	**6SL3500-0XE50-7■A0**
• FSA, 1.1 kW	**6SL3500-0XE51-1■A0**
• FSA, 1.5 kW	**6SL3500-0XE51-5■A0**
• FSB, 2.2 kW	**6SL3500-0XE52-2■A0**
• FSB, 3 kW	**6SL3500-0XE53-0■A0**
• FSB, 4 kW	**6SL3500-0XE54-0■A0**
• FSC, 5.5 kW	**6SL3500-0XE55-5■A0**
• FSC, 7.5 kW	**6SL3500-0XE57-5■A0**
Fieldbus communication	
• 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**