SIEMENS

Motion Control Drives

SINAMICS Converters for Single-Axis Drives

SINAMICS G115D
Distributed Drive System

Order overview
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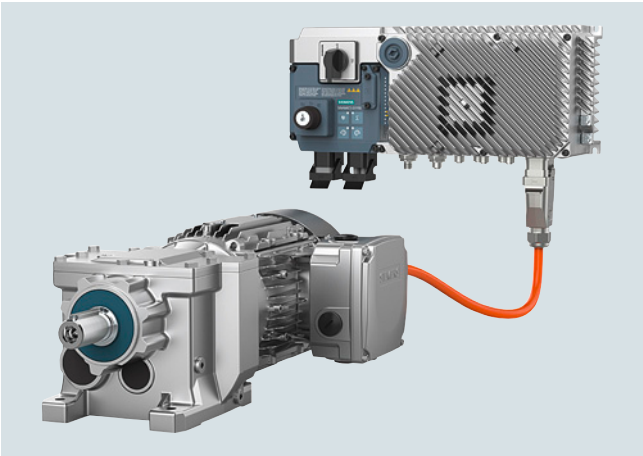
Overview

The SINAMICS G115D distributed drive system provides fully preconfigured and ready-to-connect solutions in a modular concept that includes the converter, motor and gear unit. The converter supports three-phase asynchronous motors with efficiency class IE3 or high-efficiency synchronous reluctance motors with efficiency class IE4. It meets all requirements of conveyor system applications – from simple speed control to sophisticated encoderless vector control. Integrated functions such as fast/slow speed switchover, Quick Stop and limit position disconnector make the SINAMICS G115D particularly suitable for applications in conveyor systems. For applications that require safety technology, the SINAMICS G115D offers the Safety Integrated Function STO (Safe Torque Off), which can be implemented without additional external components. The SINAMICS G115D distributed drive system is available for wall mounting and for motor mounting.

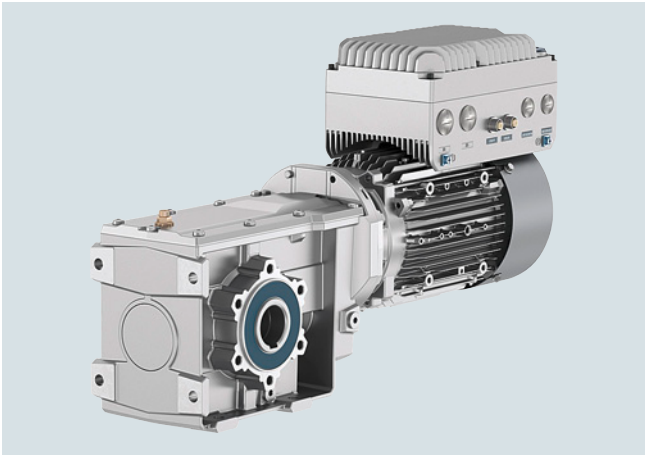
SINAMICS G115D distributed drive system, wall-mounted



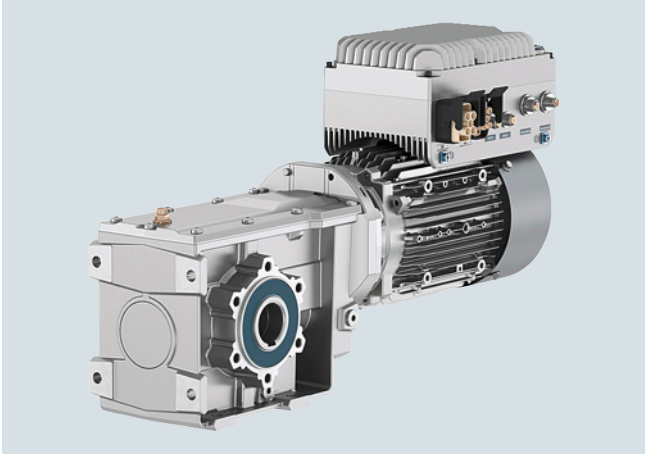
SINAMICS G115D distributed drive system, wall-mounted, PROFINET, version with plug-in connection, FSA, 1.5 kW

The wall-mounted converter with its different versions (frame sizes FSA to FSC) in a performance range from 0.37 kW to 7.5 kW is suitable for a large number of different applications. Thanks to the compact design with degree of protection IP65 (plug-in connection) or IP66 (cable gland), it can be seamlessly integrated into the system.

SINAMICS G115D distributed drive system, motor-mounted



SINAMICS G115D distributed drive system, motor-mounted, PROFINET, version with cable gland, FSA, 1.5 kW, SIMOGEAR motor LE 90, gearbox B49, hollow shaft



SINAMICS G115D distributed drive system, motor-mounted, PROFINET, version with plug-in connection, FSA, 1.5 kW, SIMOGEAR motor LE90, gearbox B49, hollow shaft

The motor-mounted converter with its different versions (frame sizes FSA and FSB) in a performance range from 0.37 kW to 4 kW is suitable for a large number of different applications. Thanks to the compact design with degree of protection up to IP65, it can be seamlessly integrated into the system.

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Overview

Perfect combination with SIMATIC controllers and PROFINET

Integration via PROFINET communication with PROFIsafe, AS-Interface, EtherNet/IP into a higher-level SIMATIC control system is very easy thanks to full TIA Portal integration, which provides a tool as well as an operating and data management concept. In addition, an optional web server module is available with the web server module SINAMICS G120 Smart Access (SAM) – a WLAN-based web server solution for simple and fast wireless setup with tablets or smartphones during commissioning and for diagnostics.

The SINAMICS G115D distributed drive system is ready for digitalization. All operating data can be transferred to the MindSphere cloud solution. The MindSphere application "Analyze MyDrives" facilitates the process evaluation of operating data, with the possibility of adaptation to individual customer requirements. This simplifies the recording and evaluation of the operating conditions of the drive system.

Reasons for using the SINAMICS G115D distributed drive system

- User-friendly modular solution – pre-configured and ready for connection
- Versatile, robust and reliable system
- New design for quick and easy installation, cabling and commissioning
- The wall-mounted and motor-mounted variants use the same platform
- No control cabinet required, thanks to the installation on the machine less space required and lower cooling requirements
- Long cables between the converters and the motors can be avoided (thus less power loss, reduced interference emissions, and lower costs for shielded cables and additional filters)
- Supports asynchronous motors and high-efficiency synchronous reluctance motors according to efficiency class IE4
- Worldwide winding of the motor independent of the line voltage
- Temperature range from -30 °C to 55 °C (suitable for installation in deep-freeze applications)
- Integrated safety, STO (Safe Torque Off) via fail-safe digital input F-DI or PROFIsafe
- Perfectly prepared for digitalization thanks to various communication interfaces and integration of the AMD (Analyze MyDrives) application into the TIA tool environment
- Special properties for the intralogistics market (e.g. repair switches, local remote control, Safety Integrated, ready-to-use functions)

The family of distributed drive systems at Siemens

Siemens offers an innovative portfolio of frequency converters for optimal implementation in distributed drive solutions. The strengths of the individual members of the converter family allow easy adaptation to the most diverse application requirements:

- Identical connection systems
- User-friendly commissioning and configuration tools

Products from the family of distributed drives:

- SINAMICS G115D distributed drive system (wall and motor-mounted)
- SINAMICS G120D frequency converters
- SIMATIC ET 200pro FC-2 frequency converters
- SIRIUS M200D motor starters

Modularity

SINAMICS G115D is available as motor-mounted and wall-mounted version. This modular, distributed converter system with degree of protection IP65/66 comprises various functional units.

The most important components are:

- Electronic Module
- Wiring Module

The Electronic Module contains the frequency converter which controls and monitors the connected motor using various control modes. The input signals can be connected directly to the converter and initiate local reactions independently of each other, or they can be transmitted to the central control system via PROFINET / EtherNet/IP or AS-Interface for further processing within the framework of the overall system. The Electronic Module supplies the motor. State-of-the-art IGBT technology with pulse width modulation (PWM) is used for extremely reliable and flexible motor operation. Extensive protective functions provide a high degree of protection for the entire distributed drive system.

The Wiring Module provides ample space for wiring to connect to the main power supply, communication, and digital inputs and outputs. Different versions with cable glands and plug-in connections are available.

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Overview

Safety Integrated

The converters of the SINAMICS G115D distributed drive systems are already equipped with the Safety Integrated Function STO (Safe Torque Off), with certification according to IEC 61508 SIL 2 as well as EN ISO 13849-1 PL d and Category 3. This can be activated either via PROFIsafe communication protocol or via the fail-safe digital input F-DI.

Drive Technology Configurator (DT Configurator)

The Drive Technology Configurator (DT Configurator) helps you to configure the optimum drive technology products for a number of applications – starting with gear units, motors, converters as well as the associated options and components and ending with controllers, software licenses and connection systems.

The DT Configurator can be used on the Internet without requiring any installation. The DT Configurator can be found in the Siemens Industry Mall at the following address:
www.siemens.com/dt-configurator

SINAMICS Startdrive commissioning tool

SINAMICS Startdrive is a tool integrated into the TIA Portal for configuring, commissioning and diagnostics of the SINAMICS converter family. SINAMICS Startdrive (V16 and higher) can be used for implementing converter tasks with most of the SINAMICS G and SINAMICS S converter series. The commissioning tool has been optimized in terms of simplicity, ease of use, and consistent use of the benefits of the TIA Portal to provide a uniform working environment for PLC, HMI and drives.

The SINAMICS Startdrive Basic commissioning tool is available free on the internet at www.siemens.com/startdrive

Drive dimensioning of the SINAMICS G115D distributed drive system with the TIA Selection Tool

The SINAMICS G115D distributed drive system is easily configured with the TIA Selection Tool under the Drive Dimensioning plug-in. It provides support when selecting the hardware and firmware components necessary to implement a drive task. The plug-in encompasses the configuration of the entire drive system and allows the handling of individual drives.

- Intuitive user interface, menu-based operation and help
- Configuration of the SINAMICS G115D distributed drive system
- Adjustable load cycles and various mechanical systems integrated
- Interface to the TIA Portal and Industry Mall

The TIA Selection Tool is available for free on the Internet at
www.siemens.com/tia-selection-tool-standalone

Note:

Integration of the SINAMICS G115D distributed drive system, motor-mounted, and online version available soon.

SIMARIS planning tools for plants with SINAMICS drives (available soon)

Electrical planning: Even easier with software!

Electrical planning for power distribution in non-residential and industrial buildings has never been more complex. To ensure you, as a specialist planner, have the best hand when it comes to electrical planning with SINAMICS drives, we provide support with the following efficient software tools:

- SIMARIS design for dimensioning and
- SIMARIS project for calculating the space requirements of the distribution boards.

Extended warranty

For SINAMICS G115D, Siemens offers an extended warranty of up to 4 years:

- 18-month standard warranty
- Optional extension via **Service Protect**
  - Free for the first 6 months after registering the product: https://myregistration.siemens.com
  - With costs for 1 or 2 additional years for wall-mounted and motor-mounted versions (complete system with converter and geared motor)

Additional information is available on the Internet at:
https://support.industry.siemens.com/cs/ww/en/sc/4842

More information

Compact Operating Instructions are supplied in hard copy form in German, English and Chinese with every SINAMICS G115D.

The latest technical documentation (catalogs, dimensional drawings, certificates, manuals and operating instructions as well as further technical specifications) are available on the Internet at:
www.siemens.com/sinamics-g115d/documentation

and the Drive Technology Configurator (DT Configurator):
www.siemens.com/sinamics-g115d/configuration

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Selection and ordering data

SINAMICS G115D distributed converter, 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 voltage	
180 V DC *)	**0**
400 V AC	**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	400 V AC	24 V DC		
Cable gland with daisy chain	without	Cable gland *)				**A**	**0**
		Cable gland			Power supply unit integrated	**H**	**0**
	M12	Cable gland *)				**A**	**2**
		M12	Cable gland			**A**	**6**
		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**
Without fieldbus communication	**B**
PROFINET, EtherNet/IP	**F**

* If you select "Brake voltage 180 V DC" and "Without operating option" in combination with one of the connection types **A0**, **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 = 1%.
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 at fieldbus communication AS-Interface not available.

6) Plug-in connector at fieldbus communication AS-Interface cannot be ordered.

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Selection and ordering data

SIMOGEAR geared motors for SINAMICS G115D wall-mounted/motor-mounted - Structure of the Article No.

SIMOGEAR 2KJ8 geared motors

Data position in Article No.

1	2	3	4	5	6	7	-	8	9	10	11	12	-	13	14	15	16	-	Z
2	K	J	8	■	■	■	-	■	■	■	■	■	-	■	■	■	■		

Article No. supplements

	5	6	7	8	9	10	11	12	13	14	15	16
Gearbox type, gearbox designation												
Helical gearbox E, 1-stage	0											
Helical gearbox Z, 2-stage	1											
Helical gearbox D, 3-stage	2											
Parallel shaft gearbox FZ, 2-stage	3											
Parallel shaft gearbox FD, 3-stage	4											
Bevel gearbox B/K, 2/3-stage	5											
Helical worm gearbox C, 2-stage	6											
Gearbox size												
See the Drive Technology Configurator (DT Configurator) www.siemens.com/sinamics-g115d/configuration		0 1 4	0 ... 8									
Motor type acc. to CE/UL/CCC/KC/EAC												
Asynchronous motor				2								
Synchronous reluctance motor				4								
Motor shaft height												
Shaft height 71					C							
Shaft height 80					E							
Shaft height 90					G							
Shaft height 100					J							
Shaft height 112					L							
Shaft height 132					N							
Motor rated power												
Rated power 1						A						
						B						
						C						
Rated power 2						F						
						G						
						H						
Rated power 3						N						
Motor temperature sensor												
Without temperature sensor							0					
Pt1000 temperature sensor							1					
Motor brake												
Without motor brake								0				
Motor brake								1				
Mounting type / converter rated power												
Wall-mounted / rated power 1									0			
Wall-mounted / rated power 2									1			
Wall-mounted / rated power 3									2			
Motor-mounted / rated power 1									3			
Motor-mounted / rated power 2									4			
Motor-mounted / rated power 3									5			
Converter fieldbus communication												
Geared motor for SINAMICS G115D wall-mounted										A		
Without fieldbus communication, cable gland										B		
Without fieldbus communication, plug-in connection										C		
AS-Interface, cable gland										D		
AS-Interface, plug-in connection										E		
PROFINET, Ethernet/IP, cable gland										F		
PROFINET, Ethernet/IP, plug-in connection										G		
Gearbox ratio												
See the Drive Technology Configurator (DT Configurator) www.siemens.com/sinamics-g115d/configuration											A ... X	1 ... 2

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Selection and ordering data

SIMOGEAR geared motors for SINAMICS G115D wall-mounted/motor-mounted - Structure of the Article No.	
	SIMOGEAR 2KJ8 geared motors
	Data position in Article No.
	1 2 3 4 5 6 7 - 8 9 10 11 12 - 13 14 15 16 - Z
	2 K J 8 . . . - . . . . . - . . . . - Z
Options with -Z and order code	
Mounting position	
Standard	
M1	**D 0 1**
M2	**D 0 2**
M3	**D 0 3**
M4	**D 0 4**
M5	**D 0 5**
M6	**D 0 6**
Permitted deviation from the mounting position	**D 0 9**
Universal mounting position output side A (DE)	
M1-A	**D 1 1**
M2-A	**D 1 2**
M3-A	**D 1 3**
M4-A	**D 1 4**
M5-A	**D 1 5**
M6-A	**D 1 6**
Universal mounting position output side B (NDE)	
M1-B	**D 2 1**
M2-B	**D 2 2**
M3-B	**D 2 3**
M4-B	**D 2 4**
M5-B	**D 2 5**
M6-B	**D 2 6**

Standard options for mandatory selection (e.g. the shaft designs) are displayed in the DT Configurator.
For commissioning in the TIA Portal, the selection of the mounting position (e.g. order code **D01**) is important for the specification of the direction of rotation of the output shaft.

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Selection and ordering data

SIMOGEAR geared motors for SINAMICS G115D wall-mounted · Motor type asynchronous motors IE2/IE3 → Configuration converter (see right page)

P_N kW	T_N Nm	Motor Asynchronous motor	Efficiency class	cos φ	λ	Article No. (Article No. supplement → see below)
Speed range 1:5 (300 ... 1500 rpm)						
0.37	2.36	LE71MB4E	IE2	0.74	0.58	**2KJ8 ■■■ -2CF ■■ -0A ■■ -Z**
0.55	3.50	LE80MA4E	IE2	0.76	0.64	**2KJ8 ■■■ -2EA ■■ -0A ■■ -Z**
0.75	4.77	LE80MB4P	IE3	0.76	0.61	**2KJ8 ■■■ -2EG ■■ -0A ■■ -Z**
1.1	7.00	LE90S4P	IE3	0.79	0.65	**2KJ8 ■■■ -2GB ■■ -0A ■■ -Z**
1.5	9.55	LE90L4P	IE3 [1]	0.82	0.68	**2KJ8 ■■■ -2GF ■■ -0A ■■ -Z**
2.2	14.00	LE100LA4P	IE3	0.82	0.70	**2KJ8 ■■■ -2JB ■■ -0A ■■ -Z**
3.0	19.10	LE100LB4P	IE3	0.83	0.70	**2KJ8 ■■■ -2JG ■■ -0A ■■ -Z**
4.0	25.46	LE112MC4P	IE3	0.83	0.70	**2KJ8 ■■■ -2LB ■■ -0A ■■ -Z**
5.5	35.00	LE132S4P	IE3	0.84	0.72	**2KJ8 ■■■ -2NA ■■ -0A ■■ -Z**
7.5	47.75	LE132M4P	IE3	0.84	0.71	**2KJ8 ■■■ -2NF ■■ -0A ■■ -Z**
Speed range 1:10 (300 ... 3000 rpm)						
0.55	1.75	LE71MB4E	IE2	0.68	0.54	**2KJ8 ■■■ -2CF ■■ -1A ■■ -Z**
0.75	2.36	LE80MA4E	IE2	0.70	0.57	**2KJ8 ■■■ -2EA ■■ -1A ■■ -Z**
1.1	3.50	LE80MB4P	IE3	0.73	0.57	**2KJ8 ■■■ -2EG ■■ -1A ■■ -Z**
1.5	4.77	LE90S4P	IE3	0.75	0.62	**2KJ8 ■■■ -2GB ■■ -1A ■■ -Z**
2.2	7.00	LE90L4P	IE3	0.79	0.67	**2KJ8 ■■■ -2GF ■■ -1A ■■ -Z**
3.0	9.55	LE100LA4P	IE3	0.80	0.69	**2KJ8 ■■■ -2JB ■■ -1A ■■ -Z**
4.0	12.73	LE100LB4P	IE3	0.80	0.69	**2KJ8 ■■■ -2JG ■■ -1A ■■ -Z**
5.5	17.50	LE112MC4P	IE3	0.81	0.70	**2KJ8 ■■■ -2LB ■■ -1A ■■ -Z**
7.5	available soon	LE132S4P	IE3	available soon	available soon	**2KJ8 ■■■ -2NA ■■ -1A ■■ -Z**
Speed range 1:8.7 (300 ... 2610 rpm)						
0.64	2.36	LE71MB4E	IE2	0.67	0.54	**2KJ8 ■■■ -2CF ■■ -2A ■■ -Z**
0.95	3.50	LE80MA4E	IE2	0.70	0.58	**2KJ8 ■■■ -2EA ■■ -2A ■■ -Z**
1.30	4.77	LE80MB4P	IE3	0.73	0.60	**2KJ8 ■■■ -2EG ■■ -2A ■■ -Z**
1.90	7.00	LE90S4P	IE3	0.76	0.63	**2KJ8 ■■■ -2GB ■■ -2A ■■ -Z**
2.60	9.55	LE90L4P	IE3	0.79	0.67	**2KJ8 ■■■ -2GF ■■ -2A ■■ -Z**
3.81	14.00	LE100LA4P	IE3	0.82	0.70	**2KJ8 ■■■ -2JB ■■ -2A ■■ -Z**
5.20	19.10	LE100LB4P	IE3	0.81	0.68	**2KJ8 ■■■ -2JG ■■ -2A ■■ -Z**
6.93	25.46	LE112MC4P	IE3	0.81	0.69	**2KJ8 ■■■ -2LB ■■ -2A ■■ -Z**

Article No. supplements							
Gearbox type							
Helical gearbox E, 1-stage	**0**						
Helical gearbox Z, 2-stage	**1**						
Helical gearbox D, 3-stage	**2**						
Parallel shaft gearbox FZ, 2-stage	**3**						
Parallel shaft gearbox FD, 3-stage	**4**						
Bevel gearbox B/K, 2/3-stage	**5**						
Helical worm gearbox C, 2-stage	**6**						
Gearbox size							
See the Drive Technology Configurator (DT Configurator): www.siemens.com/sinamics-g115d/configuration		**0**	**0**				
		1	**...**				
		4	**8**				
Temperature sensor							
with Pt1000				**1**			
without				**0**			
Brake							
with					**1**		
without					**0**		
Geared motor transmission ratio							
See the Drive Technology Configurator (DT Configurator): www.siemens.com/sinamics-g115d/configuration						**A1**	
						...	
						X2	
Special versions							Order codes
Necessary ordering data:							. . .+. . .+. . .+. . .
• Mounting position (order codes **D01** to **D26**) for the specification of the direction of rotation of the output shaft							
• Configuration of the output shaft (order codes **H31** to **H67**)							
• Configuration of the mounting type (order codes **H71** to **H76**)							
• Configuration of the connection type of the converter (order codes **V01** to **V81**). Selection of the special versions, see the Drive Technology Configurator (DT Configurator): www.siemens.com/sinamics-g115d/configuration							

[1] The asynchronous motor for the SIMOGEAR geared motors (frame size FS 90, 1.50 kW, designed for 50 Hz operation) fulfills the class IE3 according to IEC 60034-30-1: 2014.

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SINAMICS G115D converters wall-mounted ➞ (Configuration with motor type synchronous reluctance motors, see next double page)

P_N kW	hp	Rated input current A	Rated output current I_N A	Converter size (frame size)	Article No.
Speed range 1:5 (300 ... 1500 rpm)					
0.37	0.50	1.23	1.3	FSA	**6SL352 ■ - ■ X ■ ■ 0-3A ■ 0**
0.55	0.75	1.58	1.7	FSA	**6SL352 ■ - ■ X ■ ■ 0-5A ■ 0**
0.75	1.0	1.99	2.2	FSA	**6SL352 ■ - ■ X ■ ■ 0-7A ■ 0**
1.1	1.5	2.69	3.1	FSA	**6SL352 ■ - ■ X ■ ■ 1-1A ■ 0**
1.5	2.0	3.48	4.1	FSA	**6SL352 ■ - ■ X ■ ■ 1-5A ■ 0**
2.2	3.0	5.18	5.9	FSB	**6SL352 ■ - ■ X ■ ■ 2-2A ■ 0**
3.0	4.0	6.76	7.7	FSB	**6SL352 ■ - ■ X ■ ■ 3-0A ■ 0**
4.0	5.0	8.95	10.2	FSB	**6SL352 ■ - ■ X ■ ■ 4-0A ■ 0**
5.5	7.5	11.88	13.2	FSC	**6SL352 ■ - ■ X ■ ■ 5-5A ■ 0**
7.5	10	17.11	19	FSC	**6SL352 ■ - ■ X ■ ■ 7-5A ■ 0**
Speed range 1:10 (300 ... 3000 rpm)					
0.55	0.75	1.58	1.7	FSA	**6SL352 ■ - ■ X ■ ■ 0-5A ■ 0**
0.75	1.0	1.99	2.2	FSA	**6SL352 ■ - ■ X ■ ■ 0-7A ■ 0**
1.1	1.5	2.69	3.1	FSA	**6SL352 ■ - ■ X ■ ■ 1-1A ■ 0**
1.5	2.0	3.48	4.1	FSA	**6SL352 ■ - ■ X ■ ■ 1-5A ■ 0**
2.2	3.0	5.18	5.9	FSB	**6SL352 ■ - ■ X ■ ■ 2-2A ■ 0**
3.0	4.0	6.76	7.7	FSB	**6SL352 ■ - ■ X ■ ■ 3-0A ■ 0**
4.0	5.0	8.95	10.2	FSB	**6SL352 ■ - ■ X ■ ■ 4-0A ■ 0**
5.5	7.5	11.88	13.2	FSC	**6SL352 ■ - ■ X ■ ■ 5-5A ■ 0**
7.5	10	17.11	19	FSC	**6SL352 ■ - ■ X ■ ■ 7-5A ■ 0**
Speed range 1:8.7 (300 ... 2610 rpm)					
0.75	1.0	1.99	2.2	FSA	**6SL352 ■ - ■ X ■ ■ 0-7A ■ 0**
1.1	1.5	2.69	3.1	FSA	**6SL352 ■ - ■ X ■ ■ 1-1A ■ 0**
1.5	2.0	3.48	4.1	FSA	**6SL352 ■ - ■ X ■ ■ 1-5A ■ 0**
2.2	3.0	5.18	5.9	FSB	**6SL352 ■ - ■ X ■ ■ 2-2A ■ 0**
3.0	4.0	6.76	7.7	FSB	**6SL352 ■ - ■ X ■ ■ 3-0A ■ 0**
4.0	5.0	8.95	10.2	FSB	**6SL352 ■ - ■ X ■ ■ 4-0A ■ 0**
5.5	7.5	11.88	13.2	FSC	**6SL352 ■ - ■ X ■ ■ 5-5A ■ 0**
7.5	10	17.11	19	FSC	**6SL352 ■ - ■ X ■ ■ 7-5A ■ 0**

Article No. supplements	
Brake voltage	
180 V DC *)	**0**
400 V AC	**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	400 V AC	24 V DC		
Cable gland with daisy chain	without	Cable gland *)				**A**	**0**
		Cable gland			Power supply unit integrated	**H**	**0**
	M12	Cable gland *)				**A**	**2**
		M12	Cable gland			**A**	**6**
		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" [2]	**B**	**0**
					Power M12 [3]	**B**	**4**
				Quickon [1]	Power M12 [2]	**C**	**0**
				MQ15 [1]	Power M12 [2]	**D**	**0**
				Q4/2	Power supply unit integrated	**K**	**0**
				Quickon [1]	Power supply unit integrated	**L**	**0**
				MQ15 [1]	Power supply unit integrated	**M**	**0**
Plug-in connection with daisy chain	M12	M12	Q8/0	2 × Q4/2	2 × 7/8" *) [2]	**E**	**0**
					2 × Power M12 [3]	**E**	**4**
					Power supply unit integrated	**N**	**0**

Converter fieldbus communication	
AS-Interface	**A**
Without fieldbus communication	**B**
PROFINET, EtherNet/IP	**F**

* If you select "Brake voltage 180 V DC" and "Without operating option" in combination with one of the connection types **A0**, **A2** or **E0**, the delivery time will change from "**standard delivery time**" to "**delivery ex stock**".

1) Not suitable for UL applications (FSA and FSB). Not available for FSC.

2) Plug-in connector with fieldbus communication AS-Interface not available.

3) Plug-in connector with fieldbus communication AS-Interface cannot be ordered.

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Selection and ordering data

SIMOGEAR geared motors for SINAMICS G115D wall-mounted · Motor type synchronous reluctance motors IE4
→ Configuration converter (see right page)

P_N kW	T_N Nm	Motor Synchronous reluctance motor	Efficiency class	cos ϕ	Article No. (Article No. supplement → see below)
Speed range 1:5 (300 ... 1500 rpm)					
0.55	3.50	LE80MA4S	IE4	0.64	**2KJ8 ■ ■ ■ -4EC ■ ■ -0A ■ ■ -Z**
0.75	4.77	LE80MB4S	IE4	0.63	**2KJ8 ■ ■ ■ -4EH ■ ■ -0A ■ ■ -Z**
1.1	7.00	LE90S4S	IE4	0.66	**2KJ8 ■ ■ ■ -4GC ■ ■ -0A ■ ■ -Z**
1.5	9.55	LE90L4S	IE4	0.65	**2KJ8 ■ ■ ■ -4GH ■ ■ -0A ■ ■ -Z**
2.2	14.00	LE112MA4S	IE4	0.69	**2KJ8 ■ ■ ■ -4LC ■ ■ -0A ■ ■ -Z**
3.0	19.10	LE112MB4S	IE4	0.69	**2KJ8 ■ ■ ■ -4LH ■ ■ -0A ■ ■ -Z**
4.0	25.46	LE112MC4S	IE4	0.70	**2KJ8 ■ ■ ■ -4LN ■ ■ -0A ■ ■ -Z**
Speed range 1:10 (300 ... 3000 rpm)					
0.75	2.36	LE80MA4S	IE4	0.59	**2KJ8 ■ ■ ■ -4EC ■ ■ -1A ■ ■ -Z**
1.1	3.50	LE80MB4S	IE4	0.61	**2KJ8 ■ ■ ■ -4EH ■ ■ -1A ■ ■ -Z**
1.5	4.77	LE90S4S	IE4	0.62	**2KJ8 ■ ■ ■ -4GC ■ ■ -1A ■ ■ -Z**
2.2	7.00	LE90L4S	IE4	0.64	**2KJ8 ■ ■ ■ -4GH ■ ■ -1A ■ ■ -Z**
3.0	9.55	LE112MA4S	IE4	0.66	**2KJ8 ■ ■ ■ -4LC ■ ■ -1A ■ ■ -Z**
4.0	12.73	LE112MB4S	IE4	0.67	**2KJ8 ■ ■ ■ -4LH ■ ■ -1A ■ ■ -Z**
Speed range 1:8.7 (300 ... 2610 rpm)					
0.95	3.50	LE80MA4S	IE4	0.61	**2KJ8 ■ ■ ■ -4EC ■ ■ -2A ■ ■ -Z**
1.30	4.77	LE80MB4S	IE4	0.61	**2KJ8 ■ ■ ■ -4EH ■ ■ -2A ■ ■ -Z**
1.90	7.00	LE90S4S	IE4	0.64	**2KJ8 ■ ■ ■ -4GC ■ ■ -2A ■ ■ -Z**
2.60	9.55	LE90L4S	IE4	0.64	**2KJ8 ■ ■ ■ -4GH ■ ■ -2A ■ ■ -Z**
3.81	14.00	LE112MA4S	IE4	0.68	**2KJ8 ■ ■ ■ -4LC ■ ■ -2A ■ ■ -Z**

Article No. supplements						
Gearbox type						
Helical gearbox E, 1-stage	**0**					
Helical gearbox Z, 2-stage	**1**					
Helical gearbox D, 3-stage	**2**					
Parallel shaft gearbox FZ, 2-stage	**3**					
Parallel shaft gearbox FD, 3-stage	**4**					
Bevel gearbox B/K, 2/3-stage	**5**					
Helical worm gearbox C, 2-stage	**6**					
Gearbox size						
See the Drive Technology Configurator (DT Configurator): www.siemens.com/sinamics-g115d/configuration		**0**	**0**			
		1	**...**			
		4	**8**			
Temperature sensor						
with Pt1000				**1**		
without				**0**		
Brake						
with					**1**	
without					**0**	
Geared motor transmission ratio						
See the Drive Technology Configurator (DT Configurator): www.siemens.com/sinamics-g115d/configuration						**A1**
						...
						X2

Special versions	Order codes
Necessary ordering data: • Mounting position (order codes **D01** to **D26**) for the specification of the direction of rotation of the output shaft • Configuration of the output shaft (order codes **H31** to **H67**) • Configuration of the mounting type (order codes **H71** to **H76**) • Configuration of the connection type of the converter (order codes **V01** to **V81**). Selection of the special versions, see the Drive Technology Configurator (DT Configurator): www.siemens.com/sinamics-g115d/configuration	. . .+. . .+. . .+. . .

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SINAMICS G115D converters wall-mounted
➞ (Configuration with motor type asynchronous motors, see preceding double page)

P_N kW	hp	Rated input current A	Rated output current I_N A	Converter size (frame size)	Article No.
Speed range 1:5 (300 ... 1500 rpm)					
0.55	0.75	1.58	1.7	FSA	**6SL352 ■ - ■ X ■ ■ 0-5A ■ 0**
0.75	1.0	1.99	2.2	FSA	**6SL352 ■ - ■ X ■ ■ 0-7A ■ 0**
1.1	1.5	2.69	3.1	FSA	**6SL352 ■ - ■ X ■ ■ 1-1A ■ 0**
1.5	2.0	3.48	4.1	FSA	**6SL352 ■ - ■ X ■ ■ 1-5A ■ 0**
2.2	3.0	5.18	5.9	FSB	**6SL352 ■ - ■ X ■ ■ 2-2A ■ 0**
3.0	4.0	6.76	7.7	FSB	**6SL352 ■ - ■ X ■ ■ 3-0A ■ 0**
4.0	5.0	8.95	10.2	FSB	**6SL352 ■ - ■ X ■ ■ 4-0A ■ 0**
Speed range 1:10 (300 ... 3000 rpm)					
0.75	1.0	1.99	2.2	FSA	**6SL352 ■ - ■ X ■ ■ 0-7A ■ 0**
1.1	1.5	2.69	3.1	FSA	**6SL352 ■ - ■ X ■ ■ 1-1A ■ 0**
1.5	2.0	3.48	4.1	FSA	**6SL352 ■ - ■ X ■ ■ 1-5A ■ 0**
2.2	3.0	5.18	5.9	FSB	**6SL352 ■ - ■ X ■ ■ 2-2A ■ 0**
3.0	4.0	6.76	7.7	FSB	**6SL352 ■ - ■ X ■ ■ 3-0A ■ 0**
4.0	5.0	8.95	10.2	FSB	**6SL352 ■ - ■ X ■ ■ 4-0A ■ 0**
Speed range 1:8.7 (300 ... 2610 rpm)					
1.1	1.5	2.69	3.1	FSA	**6SL352 ■ - ■ X ■ ■ 1-1A ■ 0**
1.5	2.0	3.48	4.1	FSA	**6SL352 ■ - ■ X ■ ■ 1-5A ■ 0**
2.2	3.0	5.18	5.9	FSB	**6SL352 ■ - ■ X ■ ■ 2-2A ■ 0**
3.0	4.0	6.76	7.7	FSB	**6SL352 ■ - ■ X ■ ■ 3-0A ■ 0**
4.0	5.0	8.95	10.2	FSB	**6SL352 ■ - ■ X ■ ■ 4-0A ■ 0**

Article No. supplements									
Brake voltage									
180 V DC *)						**0**			
400 V AC						**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	400 V AC	24 V DC				
Cable gland with daisy chain	without	Cable gland *)						**A**	**0**
		Cable gland			Power supply unit integrated			**H**	**0**
	M12	Cable gland *)						**A**	**2**
		M12	Cable gland					**A**	**6**
		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" [2]			**B**	**0**
					Power M12 [3]			**B**	**4**
				Quickon [1]	Power M12 [2]			**C**	**0**
				MQ15 [1]	Power M12 [2]			**D**	**0**
				Q4/2	Power supply unit integrated			**K**	**0**
				Quickon [1]	Power supply unit integrated			**L**	**0**
				MQ15 [1]	Power supply unit integrated			**M**	**0**
Plug-in connection with daisy chain	M12	M12	Q8/0	2 × Q4/2	2 × 7/8" *) [2]			**E**	**0**
					2 × Power M12 [3]			**E**	**4**
					Power supply unit integrated			**N**	**0**
Fieldbus communication									
AS-Interface									**A**
Without fieldbus communication									**B**
PROFINET, EtherNet/IP									**F**

* If you select "Brake voltage 180 V DC" and "Without operating option" in combination with one of the connection types **A0**, **A2** or **E0**, the delivery time will change from "**standard delivery time**" to "**delivery ex stock**".

[1] Not suitable for UL applications (FSA and FSB). Not available for FSC.
[2] Plug-in connector with fieldbus communication AS-Interface not available.
[3] Plug-in connector with fieldbus communication AS-Interface cannot be ordered.

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Selection and ordering data

SIMOGEAR geared motors with SINAMICS G115D motor-mounted · Motor type asynchronous motors IE2/IE3
→ Configuration motor type synchronous reluctance motors (see right page)

P_N kW	T_N Nm	I_N A	$cos\ \phi$ Nm	λ	Motor size Asynchronous motor	Efficiency class	Converter size (frame size)	Article No. (Article No. supplement → see below)
Speed range 1:5 (300 ... 1500 rpm)								
0.37	2.36	0.97	0.74	0.58	LE71MB4E	IE2	FSA	**2KJ8 ■ ■ ■ -2CF ■ ■ -3 ■ ■■ -Z**
0.55	3.50	1.29	0.76	0.64	LE80MA4E	IE2	FSA	**2KJ8 ■ ■ ■ -2EA ■ ■ -3 ■ ■■ -Z**
0.75	4.77	1.64	0.76	0.61	LE80MB4P	IE3	FSA	**2KJ8 ■ ■ ■ -2EG ■ ■ -3 ■ ■■ -Z**
1.1	7.00	2.30	0.79	0.65	LE90S4P	IE3	FSA	**2KJ8 ■ ■ ■ -2GB ■ ■ -3 ■ ■■ -Z**
1.5	9.55	3.00	0.82	0.68	LE90L4P	IE3	FSA	**2KJ8 ■ ■ ■ -2GF ■ ■ -3 ■ ■■ -Z**
2.2	14.00	4.66	0.82	0.70	LE100LA4P	IE3	FSA	**2KJ8 ■ ■ ■ -2JB ■ ■ -3 ■ ■■ -Z**
3.0	19.10	6.31	0.83	0.70	LE100LB4P	IE3	FSA	**2KJ8 ■ ■ ■ -2JG ■ ■ -3 ■ ■■ -Z**
4.0	25.00	8.09	0.83	0.70	LE112MC4P	IE3	FSA	**2KJ8 ■ ■ ■ -2LB ■ ■ -3 ■ ■■ -Z**
Speed range 1:10 (300 ... 3000 rpm)								
0.55	1.75	1.29	0.68	0.54	LE71MB4E	IE2	FSA	**2KJ8 ■ ■ ■ -2CF ■ ■ -4 ■ ■■ -Z**
0.75	2.36	1.67	0.70	0.57	LE80MA4E	IE2	FSA	**2KJ8 ■ ■ ■ -2EA ■ ■ -4 ■ ■■ -Z**
1.1	3.50	2.34	0.73	0.57	LE80MB4P	IE3	FSA	**2KJ8 ■ ■ ■ -2EG ■ ■ -4 ■ ■■ -Z**
1.5	4.77	2.93	0.75	0.62	LE90S4P	IE3	FSA	**2KJ8 ■ ■ ■ -2GB ■ ■ -4 ■ ■■ -Z**
2.2	7.00	4.14	0.79	0.67	LE90L4P	IE3	FSB	**2KJ8 ■ ■ ■ -2GF ■ ■ -4 ■ ■■ -Z**
3.0	9.55	6.47	0.80	0.69	LE100LA4P	IE3	FSB	**2KJ8 ■ ■ ■ -2JB ■ ■ -4 ■ ■■ -Z**
4.0	12.73	8.29	0.80	0.69	LE100LB4P	IE3	FSB	**2KJ8 ■ ■ ■ -2JG ■ ■ -4 ■ ■■ -Z**
Speed range 1:8.7 (300 ... 2610 rpm)								
0.64	2.36	1.49	0.67	0.54	LE71MB4E	IE2	FSA	**2KJ8 ■ ■ ■ -2CF ■ ■ -5 ■ ■■ -Z**
0.95	3.50	2.08	0.70	0.58	LE80MA4E	IE2	FSA	**2KJ8 ■ ■ ■ -2EA ■ ■ -5 ■ ■■ -Z**
1.30	4.77	2.73	0.73	0.60	LE80MB4P	IE3	FSA	**2KJ8 ■ ■ ■ -2EG ■ ■ -5 ■ ■■ -Z**
1.90	7.00	3.62	0.76	0.63	LE90S4P	IE3	FSB	**2KJ8 ■ ■ ■ -2GB ■ ■ -5 ■ ■■ -Z**
2.60	9.55	4.82	0.79	0.67	LE90L4P	IE3	FSB	**2KJ8 ■ ■ ■ -2GF ■ ■ -5 ■ ■■ -Z**
3.81	14.00	8.14	0.82	0.70	LE100LA4P	IE3	FSB	**2KJ8 ■ ■ ■ -2JB ■ ■ -5 ■ ■■ -Z**

Article No. supplements								
Gearbox type								
Helical gearbox E, 1-stage	**0**							
Helical gearbox Z, 2-stage	**1**							
Helical gearbox D, 3-stage	**2**							
Parallel shaft gearbox FZ, 2-stage	**3**							
Parallel shaft gearbox FD, 3-stage	**4**							
Bevel gearbox B/K, 2/3-stage	**5**							
Helical worm gearbox C, 2-stage	**6**							
Gearbox size								
See the Drive Technology Configurator (DT Configurator): www.siemens.com/sinamics-g115d/configuration		**0 1 ... 4**	**0 ... 8**					
Temperature sensor								
with Pt1000				**1**				
without				**0**				
Brake								
with					**1**			
without					**0**			
Converter fieldbus communication								
Without fieldbus communication, cable gland						**B**		
Without fieldbus communication, plug-in connection						**C**		
AS-Interface, cable gland						**D**		
AS-Interface, plug-in connection						**E**		
PROFINET, Ethernet/IP, cable gland						**F**		
PROFINET, Ethernet/IP, plug-in connection						**G**		
Geared motor transmission ratio								
See the Drive Technology Configurator (DT Configurator): www.siemens.com/sinamics-g115d/configuration							**A1 ... X2**	

Special versions	Order codes
Necessary ordering data: • Mounting position (order codes **D01** to **D26**) for the specification of the direction of rotation of the output shaft • Configuration of the output shaft (order codes **H31** to **H67**) • Configuration of the mounting type (order codes **H71** to **H76**) • Configuration of the connection type of the converter (order codes **V01** to **V81**). Selection of the special versions, see the Drive Technology Configurator (DT Configurator): www.siemens.com/sinamics-g115d/configuration	. . .+. . .+. . .+. . .

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Selection and ordering data

SIMOGEAR geared motors with SINAMICS G115D motor-mounted · Motor type synchronous reluctance motors IE4
→ Configuration motor type asynchronous motors (see left page)

P_N kW	T_N Nm	I_N A	$cos\ \phi$ Nm	Motor size Synchronous reluctance motor	Efficiency class	Converter size (frame size)	Article No. (Article No. supplement → see below)
Speed range 1:5 (300 ... 1500 rpm)							
0.55	3.50	1.64	0.635	LE80MA4S	IE4	FSA	**2KJ8 ■ ■ ■ -4EC ■ ■ -3 ■ ■■ -Z**
0.75	4.77	2.02	0.634	LE80MB4S	IE4	FSA	**2KJ8 ■ ■ ■ -4EH ■ ■ -3 ■ ■■ -Z**
1.1	7.00	2.15	0.661	LE90S4S	IE4	FSA	**2KJ8 ■ ■ ■ -4GC ■ ■ -3 ■ ■■ -Z**
1.5	9.55	2.83	0.653	LE90L4S	IE4	FSA	**2KJ8 ■ ■ ■ -4GH ■ ■ -3 ■ ■■ -Z**
2.2	14.00	4.37	0.687	LE112MA4S	IE4	FSB	**2KJ8 ■ ■ ■ -4LC ■ ■ -3 ■ ■■ -Z**
3.0	19.10	5.80	0.691	LE112MB4S	IE4	FSB	**2KJ8 ■ ■ ■ -4LH ■ ■ -3 ■ ■■ -Z**
4.0	25.46	7.01	0.702	LE112MC4S	IE4	FSB	**2KJ8 ■ ■ ■ -4LN ■ ■ -3 ■ ■■ -Z**
Speed range 1:10 (300 ... 3000 rpm)							
0.75	2.36	1.77	0.586	LE80MA4S	IE4	FSA	**2KJ8 ■ ■ ■ -4EC ■ ■ -4 ■ ■■ -Z**
1.1	3.50	2.20	0.606	LE80MB4S	IE4	FSA	**2KJ8 ■ ■ ■ -4EH ■ ■ -4 ■ ■■ -Z**
1.5	4.77	2.73	0.622	LE90S4S	IE4	FSA	**2KJ8 ■ ■ ■ -4GC ■ ■ -4 ■ ■■ -Z**
2.2	7.00	4.24	0.635	LE90L4S	IE4	FSB	**2KJ8 ■ ■ ■ -4GH ■ ■ -4 ■ ■■ -Z**
3.0	9.55	5.13	0.662	LE112MA4S	IE4	FSB	**2KJ8 ■ ■ ■ -4LC ■ ■ -4 ■ ■■ -Z**
4.0	12.73	6.71	0.674	LE112MB4S	IE4	FSB	**2KJ8 ■ ■ ■ -4LH ■ ■ -4 ■ ■■ -Z**
Speed range 1:8.7 (300 ... 2610 rpm)							
0.95	3.50	1.94	0.611	LE80MA4S	IE4	FSA	**2KJ8 ■ ■ ■ -4EC ■ ■ -5 ■ ■■ -Z**
1.30	4.77	2.39	0.613	LE80MB4S	IE4	FSA	**2KJ8 ■ ■ ■ -4EH ■ ■ -5 ■ ■■ -Z**
1.91	7.00	3.37	0.644	LE90S4S	IE4	FSB	**2KJ8 ■ ■ ■ -4GC ■ ■ -5 ■ ■■ -Z**
2.60	9.55	4.87	0.637	LE90L4S	IE4	FSB	**2KJ8 ■ ■ ■ -4GH ■ ■ -5 ■ ■■ -Z**
3.81	14.00	6.32	0.676	LE112MA4S	IE4	FSB	**2KJ8 ■ ■ ■ -4LC ■ ■ -5 ■ ■■ -Z**

Article No. supplements								
Gearbox type								
Helical gearbox E, 1-stage	**0**							
Helical gearbox Z, 2-stage	**1**							
Helical gearbox D, 3-stage	**2**							
Parallel shaft gearbox FZ, 2-stage	**3**							
Parallel shaft gearbox FD, 3-stage	**4**							
Bevel gearbox B/K, 2/3-stage	**5**							
Helical worm gearbox C, 2-stage	**6**							
Gearbox size								
See the Drive Technology Configurator (DT Configurator): www.siemens.com/sinamics-g115d/configuration		**0**	**0**					
		1	**...**					
		4	**8**					
Temperature sensor								
with Pt1000				**1**				
without				**0**				
Brake								
with					**1**			
without					**0**			
Converter fieldbus communication								
Without fieldbus communication, cable gland						**B**		
Without fieldbus communication, plug-in connection						**C**		
AS-Interface, cable gland						**D**		
AS-Interface, plug-in connection						**E**		
PROFINET, Ethernet/IP, cable gland						**F**		
PROFINET, Ethernet/IP, plug-in connection						**G**		
Geared motor transmission ratio								
See the Drive Technology Configurator (DT Configurator): www.siemens.com/sinamics-g115d/configuration							**A1**	
							...	
							X2	

Special versions	Order codes
Necessary ordering data: • Mounting position (order codes **D01** to **D26**) for the specification of the direction of rotation of the output shaft • Configuration of the output shaft (order codes **H31** to **H67**) • Configuration of the mounting type (order codes **H71** to **H76**) • Configuration of the connection type of the converter (order codes **V01** to **V81**). Selection of the special versions, see the Drive Technology Configurator (DT Configurator): www.siemens.com/sinamics-g115d/configuration	. . .+. . .+. . .+. . .

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Options

Various connection types as well as connection sides can be selected for the converter fieldbus communications, as shown in the following tables.

Connection types	Fieldbus communication	I/O	400 V AC	24 V DC	Connection side	14th position of the Article No.	Additional identification code **-Z** with order code
						2KJ8 . . . - . . . . . - ■ . . .**-Z**	Order code
Without fieldbus communication (I/O Control)							
Cable gland with daisy chain	without	Cable gland			left	2KJ8 . . . - . . . . . - **B** . . .	**V01**
					right [2]	2KJ8 . . . - . . . . . - **B** . . .	**V06**
Plug-in connection without daisy chain	without	M12	Q4/2	7/8"	left	2KJ8 . . . - . . . . . - **C** . . .	**V10**
					right	2KJ8 . . . - . . . . . - **C** . . .	**V11**
				Power M12	left	2KJ8 . . . - . . . . . - **C** . . .	**V12**
					right	2KJ8 . . . - . . . . . - **C** . . .	**V13**
			Quickon[1]	Power M12	left	2KJ8 . . . - . . . . . - **C** . . .	**V14**
					right	2KJ8 . . . - . . . . . - **C** . . .	**V15**
			MQ15 [1]	Power M12	left	2KJ8 . . . - . . . . . - **C** . . .	**V16**
					right	2KJ8 . . . - . . . . . - **C** . . .	**V17**
Plug-in connection with daisy chain	without	M12	2 x Q4/2	2 x 7/8"	left	2KJ8 . . . - . . . . . - **C** . . .	**V20**
					right	2KJ8 . . . - . . . . . - **C** . . .	**V21**
				2 x Power M12	left	2KJ8 . . . - . . . . . - **C** . . .	**V22**
					right	2KJ8 . . . - . . . . . - **C** . . .	**V23**
AS-Interface							
Cable gland with daisy chain	M12	Cable gland			left	2KJ8 . . . - . . . . . - **D** . . .	**V02**
					right	2KJ8 . . . - . . . . . - **D** . . .	**V03**
		M12	Cable gland		left	2KJ8 . . . - . . . . . - **D** . . .	**V04**
					right	2KJ8 . . . - . . . . . - **D** . . .	**V05**
Plug-in connection without daisy chain	M12	M12	Q4/2	–	left	2KJ8 . . . - . . . . . - **E** . . .	**V10**
					right	2KJ8 . . . - . . . . . - **E** . . .	**V11**
			Quickon[1]	–	left	2KJ8 . . . - . . . . . - **E** . . .	**V14**
					right	2KJ8 . . . - . . . . . - **E** . . .	**V15**
			MQ15 [1]	–	left	2KJ8 . . . - . . . . . - **E** . . .	**V16**
					right	2KJ8 . . . - . . . . . - **E** . . .	**V17**
Plug-in connection with daisy chain	M12	M12	2 x Q4/2	–	left	2KJ8 . . . - . . . . . - **E** . . .	**V20**
					right	2KJ8 . . . - . . . . . - **E** . . .	**V21**

[1] Not suitable for UL applications.

[2] The cable gland with daisy chain with connection side right (order code **V06**) can only be selected with integrated power supply unit for 24 V DC power supply (order code **V70**).

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Options

Connection types	Fieldbus communication	I/O	400 V AC	24 V DC	Connection side	14th position of the Article No.	Additional identification code **-Z** with order code
						2KJ8 . . . - . . . . . - ■ . . .**-Z**	Order code
PROFINET, Ethernet/IP							
Cable gland with daisy chain	M12	Cable gland			left	2KJ8 . . . - . . . . . - **F** . . .	**V02**
					right	2KJ8 . . . - . . . . . - **F** . . .	**V03**
		M12	Cable gland		left	2KJ8 . . . - . . . . . - **F** . . .	**V04**
					right	2KJ8 . . . - . . . . . - **F** . . .	**V05**
Plug-in connection without daisy chain	M12	M12	Q4/2	7/8”	left	2KJ8 . . . - . . . . . - **G** . . .	**V10**
					right	2KJ8 . . . - . . . . . - **G** . . .	**V11**
				Power M12	left	2KJ8 . . . - . . . . . - **G** . . .	**V12**
					right	2KJ8 . . . - . . . . . - **G** . . .	**V13**
			Quickon[1]	Power M12	left	2KJ8 . . . - . . . . . - **G** . . .	**V14**
					right	2KJ8 . . . - . . . . . - **G** . . .	**V15**
			MQ15 [1]	Power M12	left	2KJ8 . . . - . . . . . - **G** . . .	**V16**
					right	2KJ8 . . . - . . . . . - **G** . . .	**V17**
Plug-in connection with daisy chain	M12	M12	2 x Q4/2	2 x 7/8”	left	2KJ8 . . . - . . . . . - **G** . . .	**V20**
					right	2KJ8 . . . - . . . . . - **G** . . .	**V21**
				2 x Power M12	left	2KJ8 . . . - . . . . . - **G** . . .	**V22**
					right	2KJ8 . . . - . . . . . - **G** . . .	**V23**

Supplementary system components for the SINAMICS G115D distributed drive system, motor-mounted

Supplementary system components	Additional identification code **-Z** with order code
	2KJ8 . . . - . . . . . - . . . .**-Z** Order code
Integrated power supply unit for 24 V DC power supply	**V70**
SINAMICS SD memory card (512 MB empty)	**V80**
SINAMICS SD memory card (512 MB + firmware V4.7 SP13))	**V81**

[1] Not suitable for UL applications.

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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 [1] 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 SP13	**6SL3054-7TG00-2BA0**
SINAMICS G120 Smart Access Web server module for wireless commissioning, operation and diagnostics of the converters using a smartphone, tablet, or laptop	**6SL3255-0AA00-5AA0**
Interface kit for web server module SINAMICS G120 Smart Access	**6SL3555-0XA00-0AA0**
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**
• for SINAMICS G115D motor-mounted	**6SL3566-2GM00-0GA0**
Cover kit for outputs 400 V AC and 24 V DC (7/8" and M12)	**6SL3566-2GA00-0GA0**

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

Description	Article No.
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 supplying the control electronics	
7/8" plug connector axial outlet	
• Pin insert (OUT)	**6GK1905-0FA00**
• Female contact insert (IN)	**6GK1905-0FB00**

Description	Article No.
Connecting cables/plug-in connectors for supplying the control electronics	
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**
Connecting cables and plug-in connectors for digital inputs and outputs	**3RK1902-4PB15-3AA0**
M12 plug-in cable pre-assembled at both ends, axial outlet	
Y cable for distributed I/Os for dual connection of I/Os using single cables, 5-pole, M12, 200 mm (7.87 in)	**6ES7194-6KA00-0XA0**
Connecting cables pre-assembled at one end and connector sets to connect to the line supply	
Connecting cable pre-assembled at one end	
• 1.5 m (4.92 ft)	**3RK1911-0DB13**
• 5 m (16.41 ft)	**3RK1911-0DB33**
Connector set 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 400 V AC	
• Quickon nut	**6SL3566-4NA00-0GA0**
• Quickon connector	**6SL3566-4MA00-0GA0**
Connector insert for power loop-through	
• 2.5 mm^2	**3RK1911-2BF50**
• 4 mm^2	**3RK1911-2BF10**
SINAMICS G115D training case SINAMICS G115D distributed drive system, motor-mounted, PROFINET, FSA, 0.37 kW, SIMOGEAR motor LE 71, gearbox Z29 incl. SIMATIC S7-1200F and MindConnect IoT 2040 gateway	**6AG1067-1AA38-0AA0**

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**
• for SINAMICS G115D motor-mounted	**6SL3500-0XK50-0AA0**
Replacement fan for SINAMICS G115D wall-mounted	**6SL3500-0XF51-0AA0**

[1] Available soon.

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Overview

The Drive Technology Configurator (DT Configurator) helps you to configure the optimum drive technology products for your application – starting with gear units, motors, converters as well as the associated options and components and ending with controllers, software licenses and connection systems. Whether with little or detailed knowledge of products: preselected product groups, deliberate navigation through selection menus and direct product selection through entry of the article number support quick, efficient and convenient configuration.

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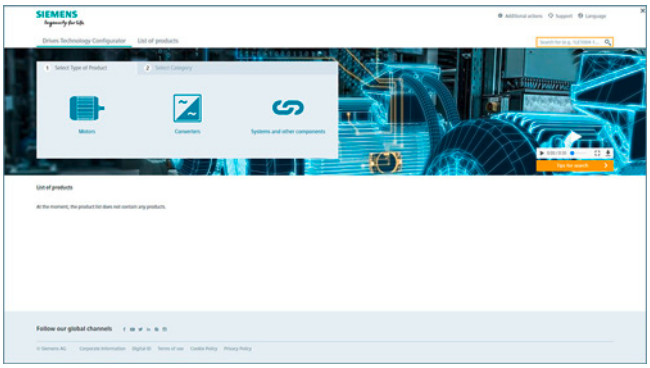

Drive Technology Configurator for efficient drive configuration with the following functions

- Quick and easy configuration of drive products and associated components – gear units, motors, converters, controllers, connection systems
- Configuration of drive systems for pumps, fans and compressor applications from 1 kW to 2.6 MW
- Retrievable documentation for configured products and components, such as
  - Data sheets in up to 9 languages in PDF or RTF format
  - 2D dimensional drawings/3D CAD models in various formats
  - Terminal box drawing and terminal connection diagram
  - Operating instructions
  - Certificates
  - Start-up calculation for SIMOTICS motors
  - EPLAN macros
- Support with retrofitting in conjunction with Spares On Web (www.siemens.com/sow)
- Ability to order products directly through the Siemens Industry Mall

Access to the Drive Technology Configurator

The Drive Technology Configurator can be called up without registration and without a login:
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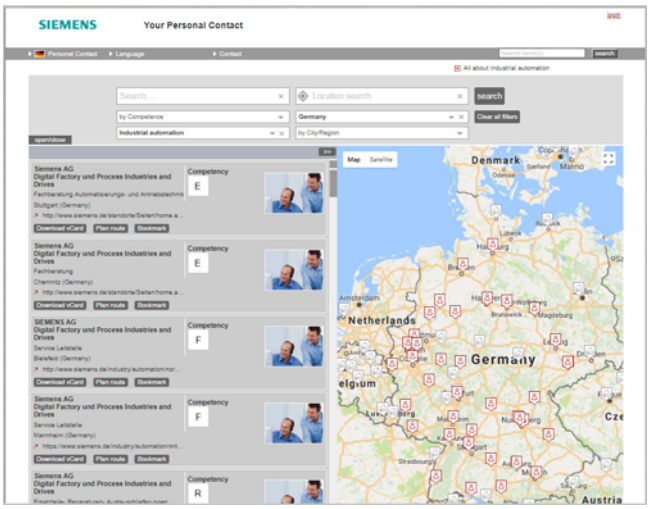

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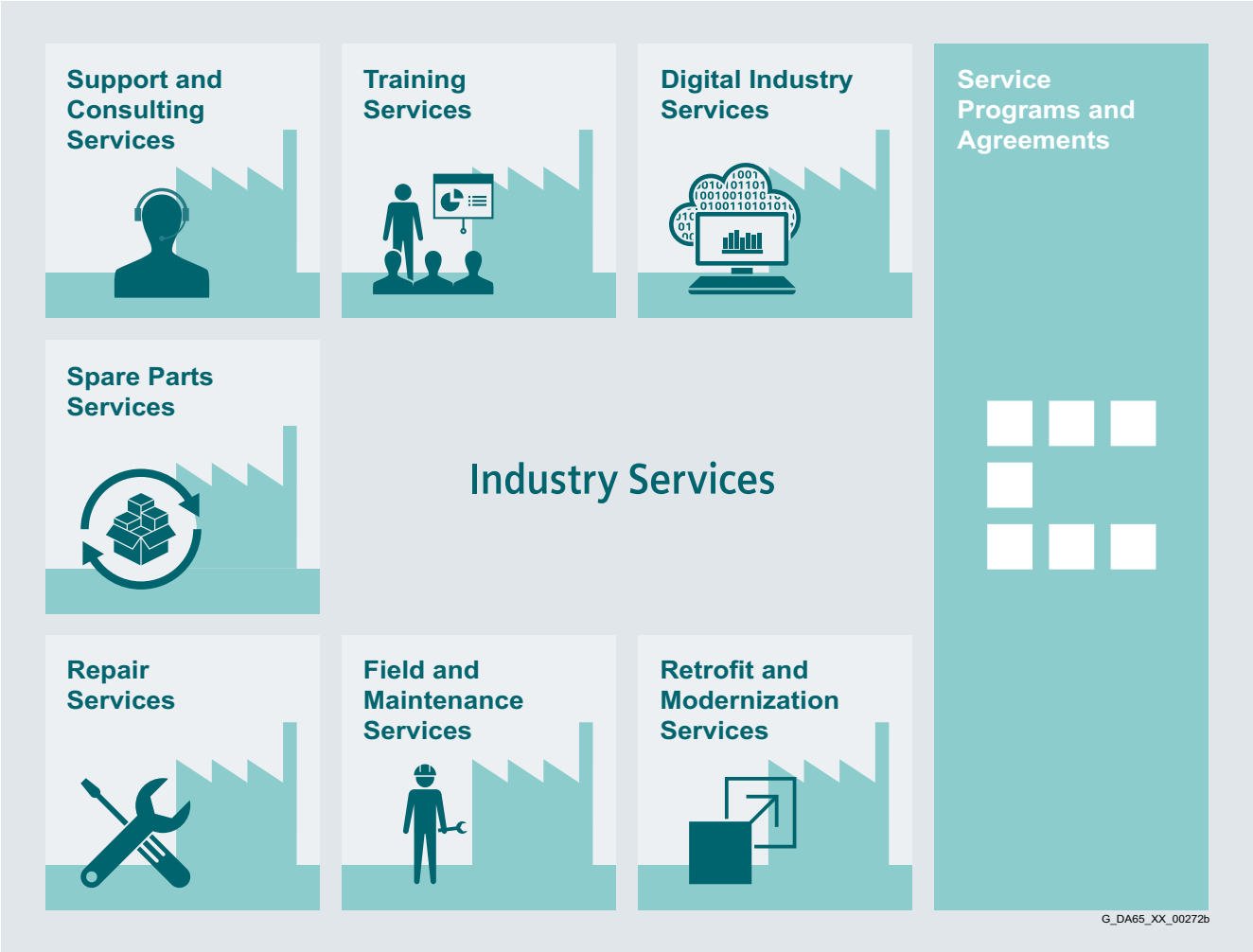

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Overview

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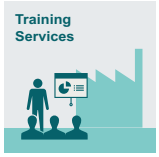

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Overview

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3. Additional Terms and Conditions

The dimensions are in mm. In Germany, according to the German law on units in measuring technology, data in inches apply only to devices for export.

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[1)] The text of the Terms and Conditions of Siemens AG can be downloaded at
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The SINAMICS converter family:
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