© Siemens 2026

Order overview

SINAMICS S210 drive system with SIMOTICS S-1FK2 servomotors for line connection 200 ... 240 V 1 AC

SIMOTICS S-1FK2 servomotor							SINAMICS S210 servo converter (1 AC series) Supply voltage 200 ... 240 V 1 AC			MOTION-CONNECT motor connection cable
Shaft height	Static torque M_0 Nm (lb_f-ft)	Maximum torque M_{max} Nm (lb_f-ft)	Rated speed n_N r/min	Rated power 230 V P_N kW (hp)	Rated torque M_N Nm (lb_f-ft)	Article No.	Rated power 230 V P_N kW	Frame size	Article No.	Article No.
High Dynamic for highly dynamic applications							**SINAMICS S210 servo converter**			**One Cable Connection**
20	0.16 (0.12)	0.56 (0.41)	3000	0.05 (0.07)	0.16 (0.12)	**1FK2102-0AG■■-■■A0**	0.1	FSA	**6SL5310-1BB10-1CF0**	**6FX■002-8QN04-1■■■**
	0.32 (0.24)	1.11 (0.82)	3000	0.1 (0.13)	0.32 (0.24)	**1FK2102-1AG■■-■■A0**	0.1	FSA	**6SL5310-1BB10-1CF0**	**6FX■002-8QN04-1■■■**
30	0.64 (0.47)	1.95 (1.44)	3000	0.2 (0.27)	0.64 (0.47)	**1FK2103-2AG■■-■■A0**	0.2	FSA	**6SL5310-1BB10-2CF0**	**6FX■002-8QN04-1■■■**
	1.27 (0.94)	4.05 (2.99)	3000	0.4 (0.54)	1.27 (0.94)	**1FK2103-4AG■■-■■A0**	0.4	FSB	**6SL5310-1BB10-4CF0**	**6FX■002-8QN04-1■■■**
40	1.27 (0.94)	3.75 (2.77)	1500	0.2 (0.27)	1.27 (0.94)	**1FK2104-4AF■■-■■A0**	0.2	FSA	**6SL5310-1BB10-2CF0**	**6FX■002-8QN08-1■■■**
	1.27 (0.94)	3.85 (2.84)	3000	0.4 (0.54)	1.27 (0.94)	**1FK2104-4AK■■-■■A0**	0.4	FSB	**6SL5310-1BB10-4CF0**	**6FX■002-8QN08-1■■■**
	2.4 (1.77)	7.5 (5.53)	1500	0.375 (0.50)	2.4 (1.77)	**1FK2104-5AF■■-■■A0**	0.4	FSB	**6SL5310-1BB10-4CF0**	**6FX■002-8QN08-1■■■**
	2.4 (1.77)	7.6 (5.61)	3000	0.75 (1.01)	2.4 (1.77)	**1FK2104-5AK■■-■■A0**	0.75	FSC	**6SL5310-1BB10-8CF0**	**6FX■002-8QN08-1■■■**
	3.2 (2.36)	10 (7.38)	1500	0.5 (0.67)	3.2 (2.36)	**1FK2104-6AF■■-■■A0**	0.75	FSC	**6SL5310-1BB10-8CF0**	**6FX■002-8QN08-1■■■**
Compact for high precision applications							**SINAMICS S210 servo converter**			**One Cable Connection**
30	0.64 (0.47)	1.85 (1.36)	3000	0.2 (0.27)	0.64 (0.47)	**1FK2203-2AG■■-■■A0**	0.2	FSA	**6SL5310-1BB10-2CF0**	**6FX■002-8QN04-1■■■**
	1.27 (0.94)	3.75 (2.77)	3000	0.4 (0.54)	1.27 (0.94)	**1FK2203-4AG■■-■■A0**	0.4	FSB	**6SL5310-1BB10-4CF0**	**6FX■002-8QN04-1■■■**
40	2.4 (1.77)	7.1 (5.24)	1500	0.375 (0.50)	2.4 (1.77)	**1FK2204-5AF■■-■■A0**	0.4	FSB	**6SL5310-1BB10-4CF0**	**6FX■002-8QN08-1■■■**
	2.4 (1.77)	7.1 (5.24)	3000	0.75 (1.01)	2.4 (1.77)	**1FK2204-5AK■■-■■A0**	0.75	FSC	**6SL5310-1BB10-8CF0**	**6FX■002-8QN08-1■■■**
	3.2 (2.36)	9.5 (7.01)	1500	0.5 (0.67)	3.2 (2.36)	**1FK2204-6AF■■-■■A0**	0.75	FSC	**6SL5310-1BB10-8CF0**	**6FX■002-8QN08-1■■■**
48	3.6 (2.66)	10.8 (7.97)	1500	0.53 (0.71)	3.4 (2.51)	**1FK2205-2AF■■-■■A0**	0.75	FSC	**6SL5310-1BB10-8CF0**	**6FX■002-8QN08-1■■■**

Article No. supplements

Holding brake			
Without holding brake	**0**		
With holding brake	**1**		
Degree of protection			
IP64 (without shaft sealing ring)		**0**	
IP65 (with shaft sealing ring)		**1**	
Shaft end / feather key			
Plain shaft			**0**
Shaft with feather key			**1**
Plain shaft, reduced shaft diameter		**0**	**2**
• Ø11 × 23 mm (0.43 × 0.91 in) (only for 1FK2.03 and IP64)			
• Ø14 × 30 mm (0.55 × 1.18 in) (only for 1FK2.04 and IP64)			
Encoder			
AS22DQC (absolute encoder 22-bit singleturn)			**S**
AM22DQC (absolute encoder 22-bit + 12-bit multiturn)			**M**

Pre-assembled MOTION-CONNECT cable			
MOTION-CONNECT 500	**5**		
MOTION-CONNECT 800PLUS	**8**		
Length code (max. 50 m (164 ft))			
0 m (0 ft)		**A**	
10 m (32.8 ft)		**B**	
...		...	
50 m (164 ft)		**F**	
0 m (0 ft)			**A**
1 m (3.28 ft)			**B**
2 m (6.56 ft)			**C**
3 m (9.84 ft)			**D**
4 m (13.1 ft)			**E**
5 m (16.4 ft)			**F**
6 m (19.7 ft)			**G**
7 m (23.0 ft)			**H**
8 m (26.2 ft)			**J**
9 m (29.5 ft)			**K**
0 m (0 ft)			**0**
0.1 m (0.33 ft)			**1**
...			...
0.8 m (2.62 ft)			**8**

© Siemens 2026

Order overview

SINAMICS S210 drive system with SIMOTICS S-1FK2 servomotors for line connection 200 ... 240 V 3 AC

SIMOTICS S-1FK2 servomotor							SINAMICS S210 servo converter (3 AC series) Supply voltage 200 ... 240 V 3 AC			MOTION-CONNECT motor connection cable
Shaft height	Static torque M_0 Nm (lb_f-ft)	Maximum torque M_{max} Nm (lb_f-ft)	Rated speed n_N r/min	Rated power 240 V P_N kW (hp)	Rated torque M_N Nm (lb_f-ft)	Article No.	Rated power 240 V P_N kW	Frame size	Article No.	Article No.
High Dynamic for highly dynamic applications							**SINAMICS S210 servo converter**			**One Cable Connection**
20	0.16 (0.12)	0.56 (0.41)	3000	0.05 (0.07)	0.16 (0.12)	**1FK2102-0AG■■-■■A0**	0.24	FSA	**6SL5310-1BE10-4DF1**	**6FX■002-8QN04-1■■■**
	0.32 (0.24)	1.11 (0.82)	3000	0.1 (0.13)	0.32 (0.24)	**1FK2102-1AG■■-■■A0**	0.24	FSA	**6SL5310-1BE10-4DF1**	**6FX■002-8QN04-1■■■**
30	0.64 (0.47)	1.95 (1.44)	3000	0.2 (0.27)	0.64 (0.47)	**1FK2103-2AG■■-■■A0**	0.45	FSA	**6SL5310-1BE10-8DF1**	**6FX■002-8QN04-1■■■**
	1.27 (0.94)	4.05 (2.99)	3000	0.4 (0.54)	1.27 (0.94)	**1FK2103-4AG■■-■■A0**	0.6	FSA	**6SL5310-1BE11-0DF1**	**6FX■002-8QN04-1■■■**
40	1.27 (0.94)	3.75 (2.77)	1500	0.2 (0.27)	1.27 (0.94)	**1FK2104-4AF■■-■■A0**	0.24	FSA	**6SL5310-1BE10-4DF1**	**6FX■002-8QN08-1■■■**
	1.27 (0.94)	3.85 (2.84)	3000	0.4 (0.54)	1.27 (0.94)	**1FK2104-4AK■■-■■A0**	0.6	FSA	**6SL5310-1BE11-0DF1**	**6FX■002-8QN08-1■■■**
	2.4 (1.77)	7.5 (5.53)	1500	0.375 (0.50)	2.4 (1.77)	**1FK2104-5AF■■-■■A0**	0.45	FSA	**6SL5310-1BE10-8DF1**	**6FX■002-8QN08-1■■■**
	2.4 (1.77)	7.6 (5.61)	3000	0.75 (1.01)	2.4 (1.77)	**1FK2104-5AK■■-■■A0**	0.9	FSB	**6SL5310-1BE11-5DF1**	**6FX■002-8QN08-1■■■**
	3.2 (2.36)	10 (7.38)	1500	0.5 (0.67)	3.2 (2.36)	**1FK2104-6AF■■-■■A0**	0.6	FSA	**6SL5310-1BE11-0DF1**	**6FX■002-8QN08-1■■■**
52	5.0 (3.69)	15 (11.06)	1500	0.79 (1.06)	5.0 (3.69)	**1FK2105-4AF■■-■■A0**	0.9	FSB	**6SL5310-1BE11-5DF1**	**6FX■002-8QN08-1■■■**
	8.0 (5.90)	24 (17.70)	1500	1.26 (1.69)	8 (5.90)	**1FK2105-6AF■■-■■A0**	1.2	FSB	**6SL5310-1BE12-0DF1**	**6FX■002-8QN08-1■■■**
63	9.0 (6.64)	26 (19.18)	1500	1.3 (1.74)	8.3 (6.12)	**1FK2106-3AF■■-■■A0**	3.0	FSC	**6SL5310-1BE15-0DF1**	**6FX■002-8QN11-1■■■**
	12 (8.85)	33 (24.34)	1500	1.64 (2.20)	10.5 (7.74)	**1FK2106-4AF■■-■■A0**	3.0	FSC	**6SL5310-1BE15-0DF1**	**6FX■002-8QN11-1■■■**
	16 (11.80)	45.5 (33.56)	1500	2.15 (2.88)	13.8 (10.18)	**1FK2106-6AF■■-■■A0**	4.2	FSC	**6SL5310-1BE17-0DF1**	**6FX■002-8QN11-1■■■**

Article No. supplements

| | | | | | | |

© Siemens 2026

Order overview

SINAMICS S210 drive system with SIMOTICS S-1FK2 servomotors for line connection 200 ... 240 V 3 AC (continued)

SIMOTICS S-1FK2 servomotor							SINAMICS S210 servo converter (3 AC series) Supply voltage 200 ... 240 V 3 AC			MOTION-CONNECT motor connection cable
Shaft height	Static torque M_0 Nm (lb$_f$-ft)	Maximum torque M_{max} Nm (lb$_f$-ft)	Rated speed n_{max} r/min	Rated power 240 V P_N kW (hp)	Rated torque M_N Nm (lb$_f$-ft)	Article No.	Rated power 240 V P_N kW	Frame size	Article No.	Article No.
Compact for high precision applications							**SINAMICS S210 servo converter**			**One Cable Connection**
30	0.64 (0.47)	1.85 (1.36)	3000	0.2 (0.27)	0.64 (0.47)	**1FK2203-2AG■■-■■A0**	0.45	FSA	**6SL5310-1BE10-8DF1**	**6FX■002-8QN04-1■■■**
	1.27 (0.94)	3.75 (2.77)	3000	0.4 (0.54)	1.27 (0.94)	**1FK2203-4AG■■-■■A0**	0.6	FSA	**6SL5310-1BE11-0DF1**	**6FX■002-8QN04-1■■■**
40	2.4 (1.77)	7.1 (5.24)	1500	0.375 (0.50)	2.4 (1.77)	**1FK2204-5AF■■-■■A0**	0.45	FSA	**6SL5310-1BE10-8DF1**	**6FX■002-8QN08-1■■■**
	2.4 (1.77)	7.1 (5.24)	3000	0.75 (1.01)	2.4 (1.77)	**1FK2204-5AK■■-■■A0**	0.9	FSB	**6SL5310-1BE11-5DF1**	**6FX■002-8QN08-1■■■**
	3.2 (2.36)	9.5 (7.01)	1500	0.5 (0.67)	3.2 (2.36)	**1FK2204-6AF■■-■■A0**	0.6	FSA	**6SL5310-1BE11-0DF1**	**6FX■002-8QN08-1■■■**
48	3.6 (2.66)	10.8 (7.97)	1500	0.53 (0.71)	3.4 (2.51)	**1FK2205-2AF■■-■■A0**	0.6	FSA	**6SL5310-1BE11-0DF1**	**6FX■002-8QN08-1■■■**
	6.0 (4.43)	18 (13.28)	1500	0.86 (1.15)	5.5 (4.06)	**1FK2205-4AF■■-■■A0**	0.9	FSB	**6SL5310-1BE11-5DF1**	**6FX■002-8QN08-1■■■**
63	6.5 (4.79)	18 (13.28)	1500	0.97 (1.30)	6.1 (4.50)	**1FK2206-2AF■■-■■A0**	0.9	FSB	**6SL5310-1BE11-5DF1**	**6FX■002-8QN11-1■■■**
	12 (8.85)	36 (26.55)	1500	1.72 (2.31)	10.9 (8.04)	**1FK2206-4AF■■-■■A0**	2.1	FSC	**6SL5310-1BE13-5DF1**	**6FX■002-8QN11-1■■■**
80	18 (13.28)	51 (37.62)	1000	1.74 (2.33)	16.6 (12.24)	**1FK2208-3AC■■-■■A0**	2.1	FSC	**6SL5310-1BE13-5DF1**	**6FX■002-8QN11-1■■■**
	22 (16.23)	66 (48.68)	1000	2.15 (2.88)	20 (14.75)	**1FK2208-4AC■■-■■A0**	3.0	FSC	**6SL5310-1BE15-0DF1**	**6FX■002-8QN11-1■■■**
	27 (19.92)	80 (59.01)	1000	2.5 (3.35)	23.5 (17.33)	**1FK2208-5AC■■-■■A0**	4.2	FSC	**6SL5310-1BE17-0DF1**	**6FX■002-8QN11-1■■■**
100	30 (22.13)	90 (66.38)	750	2.5 (3.35)	30 (22.13)	**1FK2210-3AB■■-■■A0**	2.1	FSC	**6SL5310-1BE13-5DF1**	**6FX■002-8QN11-1■■■**
	30 (22.13)	90 (66.38)	1000	3.2 (4.29)	30 (22.13)	**1FK2210-3AC■■-■■A0**	4.2	FSC	**6SL5310-1BE17-0DF1**	**6FX■002-8QN11-1■■■**
	40 (29.50)	120 (88.51)	750	3.05 (4.09)	39 (28.77)	**1FK2210-4AB■■-■■A0**	3.0	FSC	**6SL5310-1BE15-0DF1**	**6FX■002-8QN11-1■■■**
	40 (29.50)	120 (88.51)	1000	3.9 (5.23)	37 (27.29)	**1FK2210-4AC■■-■■A0**	4.2	FSC	**6SL5310-1BE17-0DF1**	**6FX■002-8QN11-1■■■**

Article No. supplements

Holding brake			
Without holding brake	**0**		
With holding brake	**1**		
Degree of protection			
IP64 (without shaft sealing ring)		**0**	
IP65 (with shaft sealing ring)		**1**	
Shaft end / feather key			
Plain shaft			**0**
Shaft with feather key			**1**
Plain shaft, reduced shaft diameter • ∅11 × 23 mm (0.43 × 0.91 in) (only for 1FK2.03 and IP64) • ∅14 × 30 mm (0.55 × 1.18 in) (only for 1FK2.04 and IP64)		**0**	**2**
Encoder			
AS22DQC (absolute encoder 22-bit singleturn)			**S**
AM22DQC (absolute encoder 22-bit + 12-bit multiturn)			**M**

Pre-assembled MOTION-CONNECT cable			
MOTION-CONNECT 500	**5**		
MOTION-CONNECT 800PLUS	**8**		
Length code (max. 50 m (164 ft))			
0 m (0 ft)		**A**	
10 m (32.8 ft)		**B**	
...		...	
50 m (164 ft)		**F**	
0 m (0 ft)			**A**
1 m (3.28 ft)			**B**
2 m (6.56 ft)			**C**
3 m (9.84 ft)			**D**
4 m (13.1 ft)			**E**
5 m (16.4 ft)			**F**
6 m (19.7 ft)			**G**
7 m (23.0 ft)			**H**
8 m (26.2 ft)			**J**
9 m (29.5 ft)			**K**
0 m (0 ft)			**0**
0.1 m (0.33 ft)			**1**
...			...
0.8 m (2.62 ft)			**8**

For operation with a supply voltage of 200 V to 240 V 3 AC, an external, intrinsically safe braking resistor is always required for SINAMICS S210 (6SL3...) converters for each converter. Use of braking resistors integrated in the converter is not permissible with this supply voltage. The innovated SINAMICS S210 (6SL5...) converters may also be operated with the integrated braking resistor at this supply voltage. An external braking resistor is not required for this.

© Siemens 2026

Order overview

SINAMICS S210 drive system with SIMOTICS S-1FK2 servomotors for line connection 380 ... 480 V 3 AC

SIMOTICS S-1FK2 servomotor							SINAMICS S210 servo converter (3 AC series) Supply voltage 380 ... 480 V 3 AC			MOTION-CONNECT motor connection cable
Shaft height	Static torque M_0 Nm (lb$_f$-ft)	Maximum torque M_{max} Nm (lb$_f$-ft)	Rated speed n_N r/min	Rated power 400 V P_N kW (hp)	Rated torque M_N Nm (lb$_f$-ft)	Article No.	Rated power 400 V P_N kW	Frame size	Article No.	Article No.
High Dynamic for highly dynamic applications							**SINAMICS S210 servo converter**			**One Cable Connection**
30	0.64 (0.47)	1.95 (1.44)	4500	0.28 (0.38)	0.59 (0.44)	**1FK2103-2AH■■-■■A0**	0.4	FSA	**6SL5310-1BE10-4DF1**	**6FX■002-8QN08-1■■■**
	1.27 (0.94)	4.05 (2.99)	4500	0.48 (0.64)	1.01 (0.74)	**1FK2103-4AH■■-■■A0**	0.75	FSA	**6SL5310-1BE10-8DF1**	**6FX■002-8QN08-1■■■**
40	1.27 (0.94)	3.75 (2.77)	3000	0.4 (0.54)	1.27 (0.94)	**1FK2104-4AF■■-■■A0**	0.4	FSA	**6SL5310-1BE10-4DF1**	**6FX■002-8QN08-1■■■**
	1.27 (0.94)	3.85 (2.84)	6000	0.6 (0.80)	0.95 (0.70)	**1FK2104-4AK■■-■■A0**	1.0	FSA	**6SL5310-1BE11-0DF1**	**6FX■002-8QN08-1■■■**
	2.4 (1.77)	7.5 (5.53)	3000	0.75 (1.01)	2.4 (1.77)	**1FK2104-5AF■■-■■A0**	0.75	FSA	**6SL5310-1BE10-8DF1**	**6FX■002-8QN08-1■■■**
	2.4 (1.77)	7.6 (5.61)	6000	1.07 (1.43)	1.7 (1.25)	**1FK2104-5AK■■-■■A0**	1.5	FSB	**6SL5310-1BE11-5DF1**	**6FX■002-8QN08-1■■■**
	3.2 (2.36)	10 (7.38)	3000	1.0 (1.34)	3.2 (2.36)	**1FK2104-6AF■■-■■A0**	1.0	FSA	**6SL5310-1BE11-0DF1**	**6FX■002-8QN08-1■■■**
52	5.0 (3.69)	15 (11.06)	3000	1.45 (1.94)	4.6 (3.39)	**1FK2105-4AF■■-■■A0**	1.5	FSB	**6SL5310-1BE11-5DF1**	**6FX■002-8QN08-1■■■**
	8.0 (5.90)	24 (17.70)	3000	2.1 (2.82)	6.6 (4.87)	**1FK2105-6AF■■-■■A0**	2.0	FSB	**6SL5310-1BE12-0DF1**	**6FX■002-8QN08-1■■■**
63	9.0 (6.64)	26 (19.18)	3000	2.3 (3.08)	7.3 (5.38)	**1FK2106-3AF■■-■■A0**	5.0	FSC	**6SL5310-1BE15-0DF1**	**6FX■002-8QN11-1■■■**
	12 (8.85)	33 (24.34)	3000	2.7 (3.62)	8.6 (6.34)	**1FK2106-4AF■■-■■A0**	5.0	FSC	**6SL5310-1BE15-0DF1**	**6FX■002-8QN11-1■■■**
	16 (11.80)	45.5 (33.56)	3000	3.3 (4.43)	10.6 (7.82)	**1FK2106-6AF■■-■■A0**	7.0	FSC	**6SL5310-1BE17-0DF1**	**6FX■002-8QN11-1■■■**

Article No. supplements

Holding brake		
Without holding brake	0	
With holding brake	1	
Degree of protection		
IP64 (without shaft sealing ring)	0	
IP65 (with shaft sealing ring)	1	
Shaft end / feather key		
Plain shaft		0
Shaft with feather key		1
Plain shaft, reduced shaft diameter • Ø11 × 23 mm (0.43 × 0.91 in) (only for 1FK2.03 and IP64) • Ø14 × 30 mm (0.55 × 1.18 in) (only for 1FK2.04 and IP64)	0	2
Encoder		
AS22DQC (absolute encoder 22-bit singleturn)		S
AM22DQC (absolute encoder 22-bit + 12-bit multiturn)		M

Pre-assembled MOTION-CONNECT cable		
MOTION-CONNECT 500	5	
MOTION-CONNECT 800PLUS	8	
Length code (max. 50 m (164 ft))		
0 m (0 ft)		A
10 m (32.8 ft)		B
...		...
50 m (164 ft)		F
0 m (0 ft)		A
1 m (3.28 ft)		B
2 m (6.56 ft)		C
3 m (9.84 ft)		D
4 m (13.1 ft)		E
5 m (16.4 ft)		F
6 m (19.7 ft)		G
7 m (23.0 ft)		H
8 m (26.2 ft)		J
9 m (29.5 ft)		K
0 m (0 ft)		0
0.1 m (0.33 ft)		1
...		...
0.8 m (2.62 ft)		8

© Siemens 2026

Order overview

SINAMICS S210 drive system with SIMOTICS S-1FK2 servomotors for line connection 380 ... 480 V 3 AC (continued)

SIMOTICS S-1FK2 servomotor							SINAMICS S210 servo converter (3 AC series) Supply voltage 380 ... 480 V 3 AC			MOTION-CONNECT motor connection cable
Shaft height	Static torque M_0 Nm (lb_f-ft)	Maxi-mum torque M_{max} Nm (lb_f-ft)	Rated speed n_N r/min	Rated power 400 V P_N kW (hp)	Rated torque M_N Nm (lb_f-ft)	Article No.	Rated power 400 V P_N kW	Frame size	Article No.	Article No.
Compact for high precision applications							**SINAMICS S210 servo converter**			**One Cable Connection**
30	0.64 (0.47)	1.85 (1.36)	6000	0.255 (0.342)	0.405 (0.299)	**1FK2203-2AK■■-■■A0**	0.4	FSA	**6SL5310-1BE10-4DF1**	**6FX■002-8QN08-1■■■**
	1.27 (0.94)	3.75 (2.77)	6000	0.43 (0.58)	0.68 (0.50)	**1FK2203-4AK■■-■■A0**	0.75	FSA	**6SL5310-1BE10-8DF1**	**6FX■002-8QN08-1■■■**
40	2.4 (1.77)	7.1 (5.24)	3000	0.75 (1.01)	2.4 (1.77)	**1FK2204-5AF■■-■■A0**	0.75	FSA	**6SL5310-1BE10-8DF1**	**6FX■002-8QN08-1■■■**
	2.4 (1.77)	7.1 (5.24)	6000	0.57 (0.76)	0.9 (0.66)	**1FK2204-5AK■■-■■A0**	1.5	FSB	**6SL5310-1BE11-5DF1**	**6FX■002-8QN08-1■■■**
	3.2 (2.36)	9.5 (7.01)	3000	1 (1.34)	3.2 (2.36)	**1FK2204-6AF■■-■■A0**	1.0	FSA	**6SL5310-1BE11-0DF1**	**6FX■002-8QN08-1■■■**
48	3.6 (2.66)	10.8 (7.97)	3000	0.94 (1.26)	3.0 (2.21)	**1FK2205-2AF■■-■■A0**	1.0	FSA	**6SL5310-1BE11-0DF1**	**6FX■002-8QN08-1■■■**
	6.0 (4.43)	18 (13.28)	3000	1.45 (1.94)	4.6 (3.39)	**1FK2205-4AF■■-■■A0**	1.5	FSB	**6SL5310-1BE11-5DF1**	**6FX■002-8QN08-1■■■**
63	6.5 (4.79)	18 (13.28)	3000	1.71 (2.29)	5.4 (3.98)	**1FK2206-2AF■■-■■A0**	1.5	FSB	**6SL5310-1BE11-5DF1**	**6FX■002-8QN11-1■■■**
	12 (8.85)	36 (26.55)	3000	2.85 (3.82)	9.1 (6.71)	**1FK2206-4AF■■-■■A0**	3.5	FSC	**6SL5310-1BE13-5DF1**	**6FX■002-8QN11-1■■■**
80	18 (13.28)	51 (37.62)	2000	3.05 (4.09)	14.5 (10.70)	**1FK2208-3AC■■-■■A0**	3.5	FSC	**6SL5310-1BE13-5DF1**	**6FX■002-8QN11-1■■■**
	22 (16.23)	66 (48.68)	2000	3.55 (4.76)	17 (12.54)	**1FK2208-4AC■■-■■A0**	5.0	FSC	**6SL5310-1BE15-0DF1**	**6FX■002-8QN11-1■■■**
	27 (19.92)	80 (59.01)	2000	4.0 (5.36)	19.1 (14.09)	**1FK2208-5AC■■-■■A0**	7.0	FSC	**6SL5310-1BE17-0DF1**	**6FX■002-8QN11-1■■■**
100	30 (22.13)	90 (66.38)	1500	4.5 (6.03)	28.5 (21.02)	**1FK2210-3AB■■-■■A0**	3.5	FSC	**6SL5310-1BE13-5DF1**	**6FX■002-8QN11-1■■■**
	30 (22.13)	90 (66.38)	2000	5.5 (7.38)	26 (19.18)	**1FK2210-3AC■■-■■A0**	7.0	FSC	**6SL5310-1BE17-0DF1**	**6FX■002-8QN11-1■■■**
	40 (29.50)	120 (88.51)	1500	5.4 (7.24)	34.5 (25.45)	**1FK2210-4AB■■-■■A0**	5.0	FSC	**6SL5310-1BE15-0DF1**	**6FX■002-8QN11-1■■■**
	40 (29.50)	120 (88.51)	2000	6.4 (8.58)	30.5 (22.50)	**1FK2210-4AC■■-■■A0**	7.0	FSC	**6SL5310-1BE17-0DF1**	**6FX■002-8QN11-1■■■**

Article No. supplements

Holding brake		
Without holding brake	0	
With holding brake	1	
Degree of protection		
IP64 (without shaft sealing ring)	0	
IP65 (with shaft sealing ring)	1	
Shaft end / feather key		
Plain shaft		0
Shaft with feather key		1
Plain shaft, reduced shaft diameter	0	2
• Ø11 × 23 mm (0.43 × 0.91 in) (only for 1FK2.03 and IP64)		
• Ø14 × 30 mm (0.55 × 1.18 in) (only for 1FK2.04 and IP64)		
Encoder		
AS22DQC (absolute encoder 22-bit singleturn)		S
AM22DQC (absolute encoder 22-bit + 12-bit multiturn)		M

Pre-assembled MOTION-CONNECT cable			
MOTION-CONNECT 500	5		
MOTION-CONNECT 800PLUS	8		
Length code (max. 50 m (164 ft))			
0 m (0 ft)		A	
10 m (32.8 ft)		B	
...		...	
50 m (164 ft)		F	
0 m (0 ft)			A
1 m (3.28 ft)			B
2 m (6.56 ft)			C
3 m (9.84 ft)			D
4 m (13.1 ft)			E
5 m (16.4 ft)			F
6 m (19.7 ft)			G
7 m (23.0 ft)			H
8 m (26.2 ft)			J
9 m (29.5 ft)			K
0 m (0 ft)			0
0.1 m (0.33 ft)			1
...			...
0.8 m (2.62 ft)			8

© Siemens 2026

Order overview

SINAMICS S210 drive system with SIMOTICS S-1FT2 servomotors for line connection 200 ... 240 V 1 AC

SIMOTICS S-1FT2 servomotor							SINAMICS S210 servo converter (1 AC series) Supply voltage 200 ... 240 V 1 AC			MOTION-CONNECT motor connection cable
Shaft height	Static torque M_0 Nm (lb$_f$-ft)	Maximum torque M_{max} Nm (lb$_f$-ft)	Rated speed n_N r/min	Rated power 230 V P_N kW (hp)	Rated torque M_N Nm (lb$_f$-ft)	Article No.	Rated power 230 V P_N kW	Frame size	Article No.	Article No.
High Dynamic for highly dynamic applications							**SINAMICS S210 servo converter**			**One Cable Connection**
20	0.16 (1.42)	0.56 (4.96)	3000	0.05 (0.07)	0.16 (1.42)	**1FT2102-0AG■■-■■A0**	0.1	FSA	**6SL5310-1BB10-1CF0**	**6FX■002-8QN04-1■■■**
	0.32 (2.83)	1.11 (9.82)	3000	0.1 (0.13)	0.32 (2.83)	**1FT2102-1AG■■-■■A0**	0.1	FSA	**6SL5310-1BB10-1CF0**	**6FX■002-8QN04-1■■■**
30	0.64 (5.66)	1.95 (17.26)	3000	0.2 (0.27)	0.64 (5.66)	**1FT2103-2AG■■-■■A0**	0.2	FSA	**6SL5310-1BB10-2CF0**	**6FX■002-8QN04-1■■■**
	1.27 (11.24)	4.05 (35.85)	3000	0.4 (0.54)	1.27 (11.24)	**1FT2103-4AG■■-■■A0**	0.4	FSB	**6SL5310-1BB10-4CF0**	**6FX■002-8QN04-1■■■**
40	1.27 (11.24)	3.75 (33.19)	1500	0.2 (0.27)	1.27 (11.24)	**1FT2104-4AF■■-■■A0**	0.2	FSA	**6SL5310-1BB10-2CF0**	**6FX■002-8QN08-1■■■**
	1.27 (11.24)	3.85 (34.08)	3000	0.4 (0.54)	1.27 (11.24)	**1FT2104-4AK■■-■■A0**	0.4	FSB	**6SL5310-1BB10-4CF0**	**6FX■002-8QN08-1■■■**
	2.4 (21.24)	7.5 (66.38)	1500	0.375 (0.5)	2.4 (21.24)	**1FT2104-5AF■■-■■A0**	0.4	FSB	**6SL5310-1BB10-4CF0**	**6FX■002-8QN08-1■■■**
	2.4 (21.24)	7.6 (67.27)	3000	0.75 (1.01)	2.4 (21.24)	**1FT2104-5AK■■-■■A0**	0.75	FSC	**6SL5310-1BB10-8CF0**	**6FX■002-8QN08-1■■■**
	3.2 (28.32)	10 (88.51)	1500	0.5 (0.67)	3.2 (28.32)	**1FT2104-6AF■■-■■A0**	0.75	FSC	**6SL5310-1BB10-8CF0**	**6FX■002-8QN08-1■■■**
Compact for high precision applications							**SINAMICS S210 servo converter**			**One Cable Connection**
30	0.64 (0.47)	1.85 (1.36)	3000	0.2 (0.27)	0.64 (0.47)	**1FT2203-2AG■■-■■A0**	0.2	FSA	**6SL5310-1BB10-2CF0**	**6FX■002-8QN04-1■■■**
	1.27 (0.94)	3.75 (2.77)	3000	0.4 (0.54)	1.27 (0.94)	**1FT2203-4AG■■-■■A0**	0.4	FSB	**6SL5310-1BB10-4CF0**	**6FX■002-8QN04-1■■■**
40	2.4 (1.77)	7.1 (5.24)	1500	0.375 (0.5)	2.4 (1.77)	**1FT2204-5AF■■-■■A0**	0.4	FSB	**6SL5310-1BB10-4CF0**	**6FX■002-8QN08-1■■■**
	2.4 (1.77)	7.1 (5.24)	3000	0.75 (1.01)	2.4 (1.77)	**1FT2204-5AK■■-■■A0**	0.75	FSC	**6SL5310-1BB10-8CF0**	**6FX■002-8QN08-1■■■**
	3.2 (2.36)	9.5 (7.01)	1500	0.5 (0.67)	3.2 (2.36)	**1FT2204-6AF■■-■■A0**	0.75	FSC	**6SL5310-1BB10-8CF0**	**6FX■002-8QN08-1■■■**
48	3.6 (2.66)	10.8 (7.97)	1000	0.36 (0.48)	3.45 (2.54)	**1FT2205-2AC■■-■■A0**	0.4	FSB	**6SL5310-1BB10-4CF0**	**6FX■002-8QN08-1■■■**
	3.6 (2.66)	10.8 (7.97)	1500	0.53 (0.71)	3.4 (2.51)	**1FT2205-2AF■■-■■A0**	0.75	FSC	**6SL5310-1BB10-8CF0**	**6FX■002-8QN08-1■■■**
	3.6 (2.66)	10.8 (7.97)	2500	0.82 (1.1)	3.15 (2.32)	**1FT2205-2AH■■-■■A0**	0.75	FSC	**6SL5310-1BB10-8CF0**	**6FX■002-8QN08-1■■■**

Article No. supplements

| | | | | | | |

© Siemens 2026

Order overview

SINAMICS S210 drive system with SIMOTICS S-1FT2 servomotors for line connection 200 ... 240 V 3 AC

SIMOTICS S-1FT2 servomotor							SINAMICS S210 servo converter (3 AC series) Supply voltage 200 ... 240 V 3 AC			MOTION-CONNECT motor connection cable
Shaft height	Static torque M_0 Nm (lb$_f$-ft)	Maximum torque M_{max} Nm (lb$_f$-ft)	Rated speed n_N r/min	Rated power 230 V P_N kW (hp)	Rated torque M_N Nm (lb$_f$-ft)	Article No.	Rated power 240 V P_N kW	Frame size	Article No.	Article No.
High Dynamic for highly dynamic applications							**SINAMICS S210 servo converter**			**One Cable Connection**
20	0.16 (0.12)	0.56 (0.41)	3000	0.05 (0.07)	0.16 (0.12)	**1FT2102-0AG■■-■■A0**	0.24	FSA	**6SL5310-1BE10-4DF1**	**6FX■002-8QN04-1■■■**
	0.32 (0.24)	1.11 (0.82)	3000	0.1 (0.13)	0.32 (0.24)	**1FT2102-1AG■■-■■A0**	0.24	FSA	**6SL5310-1BE10-4DF1**	**6FX■002-8QN04-1■■■**
30	0.64 (0.47)	1.95 (1.44)	3000	0.2 (0.27)	0.64 (0.47)	**1FT2103-2AG■■-■■A0**	0.45	FSA	**6SL5310-1BE10-8DF1**	**6FX■002-8QN04-1■■■**
	1.27 (0.94)	4.05 (2.99)	3000	0.4 (0.54)	1.27 (0.94)	**1FT2103-4AG■■-■■A0**	0.6	FSA	**6SL5310-1BE11-0DF1**	**6FX■002-8QN04-1■■■**
40	1.27 (0.94)	3.75 (2.77)	1500	0.2 (0.27)	1.27 (0.94)	**1FT2104-4AF■■-■■A0**	0.24	FSA	**6SL5310-1BE10-4DF1**	**6FX■002-8QN08-1■■■**
	1.27 (0.94)	3.85 (2.84)	3000	0.4 (0.54)	1.27 (0.94)	**1FT2104-4AK■■-■■A0**	0.6	FSA	**6SL5310-1BE11-0DF1**	**6FX■002-8QN08-1■■■**
	2.4 (1.77)	7.5 (5.53)	1500	0.375 (0.5)	2.4 (1.77)	**1FT2104-5AF■■-■■A0**	0.45	FSA	**6SL5310-1BE10-8DF1**	**6FX■002-8QN08-1■■■**
	2.4 (1.77)	7.6 (5.61)	3000	0.75 (1.01)	2.4 (1.77)	**1FT2104-5AK■■-■■A0**	0.9	FSB	**6SL5310-1BE11-5DF1**	**6FX■002-8QN08-1■■■**
	3.2 (2.36)	10 (7.38)	1500	0.5 (0.67)	3.2 (2.36)	**1FT2104-6AF■■-■■A0**	0.6	FSA	**6SL5310-1BE11-0DF1**	**6FX■002-8QN08-1■■■**
	3.6 (2.66)	10 (7.38)	2500	0.86 (1.15)	3.25 (2.40)	**1FT2104-6AH■■-■■A0**	0,9	FSB	**6SL5310-1BE11-5DF1**	**6FX■002-8QN11-1■■■**
52	5.0 (3.69)	15 (11.06)	1500	0.79 (1.06)	5.0 (3.69)	**1FT2105-4AF■■-■■A0**	0.9	FSB	**6SL5310-1BE11-5DF1**	**6FX■002-8QN08-1■■■**
	5.0 (3.69)	15 (11.06)	2500	1.27 (1.7)	4.85 (3.58)	**1FT2105-4AH■■-■■A0**	2.1	FSC	**6SL5310-1BE13-5DF1**	**6FX■002-8QN08-1■■■**
	8.0 (5.9)	24 (17.7)	1500	1.26 (1.69)	8.0 (5.9)	**1FT2105-6AF■■-■■A0**	1.2	FSB	**6SL5310-1BE12-0DF1**	**6FX■002-8QN08-1■■■**
63	9.0 (6.64)	26 (19.18)	1500	1.3 (1.74)	8.3 (6.12)	**1FT2106-3AF■■-■■A0**	3.0	FSC	**6SL5310-1BE15-0DF1**	**6FX■002-8QN11-1■■■**
	12 (8.85)	33 (24.34)	1500	1.64 (2.2)	10.5 (7.74)	**1FT2106-4AF■■-■■A0**	3.0	FSC	**6SL5310-1BE15-0DF1**	**6FX■002-8QN11-1■■■**
	16 (11.8)	45.5 (33.56)	1500	2.15 (2.88)	13.8 (10.18)	**1FT2106-6AF■■-■■A0**	4.2	FSC	**6SL5310-1BE17-0DF1**	**6FX■002-8QN11-1■■■**

Article No. supplements

Holding brake		
Without holding brake	**0**	
With holding brake	**1**	
Degree of protection		
IP64 (without shaft sealing ring)		**0**
IP65 (with shaft sealing ring)		**1**
IP67 (with shaft sealing ring) (not for 1FT2102)		**2**
Shaft end / feather key		
Plain shaft		**0**
Shaft with feather key		**1**
Plain shaft, reduced shaft diameter (only with IP64 and without feather key for 1FT2.03)	**0**	**2**
Plain shaft, reduced shaft diameter (only for 1FT2.04, 1FT2.08 and 1FT2.10)		**2**
Shaft with feather key, reduced shaft diameter (only for 1FT2.04, 1FT2.08 and 1FT2.10)		**3**
Encoder		
AS22DQC (absolute encoder 22-bit singleturn)		**S**
AM22DQC (absolute encoder 22-bit + 12-bit multiturn)		**M**
AS26DQC (absolute encoder 26-bit singleturn)		**B**
AM26DQC (absolute encoder 26-bit + 12-bit multiturn)		**C**

Pre-assembled MOTION-CONNECT cable		
MOTION-CONNECT 500	**5**	
MOTION-CONNECT 800PLUS	**8**	
Length code (max. 50 m (164 ft))		
0 m (0 ft)		**A**
10 m (32.8 ft)		**B**
...		...
50 m (164 ft)		**F**
0 m (0 ft)		**A**
1 m (3.28 ft)		**B**
2 m (6.56 ft)		**C**
3 m (9.84 ft)		**D**
4 m (13.1 ft)		**E**
5 m (16.4 ft)		**F**
6 m (19.7 ft)		**G**
7 m (23.0 ft)		**H**
8 m (26.2 ft)		**J**
9 m (29.5 ft)		**K**
0 m (0 ft)		**0**
0.1 m (0.33 ft)		**1**
...		...
0.8 m (2.62 ft)		**8**

For operation with a supply voltage of 200 V to 240 V 3 AC, an external, intrinsically safe braking resistor is always required for SINAMICS S210 (6SL3...) converters for each converter. Use of braking resistors integrated in the converter is not permissible with this supply voltage.
The innovated SINAMICS S210 (6SL5...) converters may also be operated with the integrated braking resistor at this supply voltage. An external braking resistor is not required for this.

© Siemens 2026

Order overview

SINAMICS S210 drive system with SIMOTICS S-1FT2 servomotors for line connection 200 ... 240 V 3 AC (continued)

SIMOTICS S-1FT2 servomotor							SINAMICS S210 servo converter (3 AC series) Supply voltage 200 ... 240 V 3 AC			MOTION-CONNECT motor connection cable
Shaft height	Static torque M_0 Nm (lb$_f$-ft)	Maximum torque M_{max} Nm (lb$_f$-ft)	Rated speed n_N r/min	Rated power 230 V P_N kW (hp)	Rated torque M_N Nm (lb$_f$-ft)	Article No.	Rated power 240 V P_N kW	Frame size	Article No.	Article No.
High Dynamic for highly dynamic applications (continued)							**SINAMICS S210 servo converter**			**One Cable Connection**
80	25 (18.44)	74 (54.58)	1000	2.45 (3.29)	23.5 (17.33)	**1FT2108-4AC■■-■■A0**	4.2	FSC	**6SL5310-1BE17-0DF1**	**6FX■002-8QN11-1■■■**
	30 (22.13)	100 (73.73)	750	2.2 (2.95)	28 (20.65)	**1FT2108-5AB■■-■■A0**	4.2	FSC	**6SL5310-1BE17-0DF1**	**6FX■002-8QN11-1■■■**
	37.5 (27.66)	118 (87.04)	750	2.6 (3.49)	33 (24.34)	**1FT2108-7AB■■-■■A0**	4.2	FSC	**6SL5310-1BE17-0DF1**	**6FX■002-8QN11-1■■■**
High Dynamic for highly dynamic applications – forced ventilation							**SINAMICS S210 servo converter**			**One Cable Connection**
63 NEW	11.5 (8.48)	25 (18.44)	1500	1.68 (2.25)	10.7 (7.89)	**1FT2106-3SF■■-■■A0**	3	FSC	**6SL5310-1BE15-0DF1**	**6FX■002-8QN11-1■■■**
NEW	16 (11.8)	33 (24.34)	1500	2.3 (3.08)	14.5 (10.7)	**1FT2106-4SF■■-■■A0**	4.2	FSC	**6SL5310-1BE17-0DF1**	**6FX■002-8QN11-1■■■**
80	40 (29.5)	100 (73.73)	750	3 (4.02)	38 (28.03)	**1FT2108-5SB■■-■■A0**	4.2	FSC	**6SL5310-1BE17-0DF1**	**6FX■002-8QN11-1■■■**

Article No. supplements

| | | | | | | |

© Siemens 2026

Order overview

SINAMICS S210 drive system with SIMOTICS S-1FT2 servomotors for line connection 200 ... 240 V 3 AC (continued)

SIMOTICS S-1FT2 servomotor							SINAMICS S210 servo converter (3 AC series) Supply voltage 200 ... 240 V 3 AC			MOTION-CONNECT motor connection cable
Shaft height	Static torque M_0 Nm (lb$_f$-ft)	Maximum torque M_{max} Nm (lb$_f$-ft)	Rated speed n_N r/min	Rated power 230 V P_N kW (hp)	Rated torque M_N Nm (lb$_f$-ft)	Article No.	Rated power 240 V P_N kW	Frame size	Article No.	Article No.
Compact for high precision applications							**SINAMICS S210 servo converter**			**One Cable Connection**
30	0.64 (0.47)	1.85 (1.36)	3000	0.2 (0.27)	0.64 (0.47)	**1FT2203-2AG■■-■■A0**	0.45	FSA	**6SL5310-1BE10-8DF1**	**6FX■002-8QN04-1■■■**
	1.27 (0.94)	3.75 (2.77)	3000	0.4 (0.54)	1.27 (0.94)	**1FT2203-4AG■■-■■A0**	0.6	FSA	**6SL5310-1BE11-0DF1**	**6FX■002-8QN04-1■■■**
40	2.4 (1.77)	7.1 (5.24)	1500	0.375 (0.5)	2.4 (1.77)	**1FT2204-5AF■■-■■A0**	0.45	FSA	**6SL5310-1BE10-8DF1**	**6FX■002-8QN08-1■■■**
	2.4 (1.77)	7.1 (5.24)	3000	0.75 (1.01)	2.4 (1.77)	**1FT2204-5AK■■-■■A0**	0.9	FSB	**6SL5310-1BE11-5DF1**	**6FX■002-8QN08-1■■■**
	3.2 (2.36)	9.5 (7.01)	1500	0.5 (0.67)	3.2 (2.36)	**1FT2204-6AF■■-■■A0**	0.6	FSA	**6SL5310-1BE11-0DF1**	**6FX■002-8QN08-1■■■**
48	3.6 (2.66)	10.8 (7.97)	1000	0.36 (0.48)	3.45 (2.54)	**1FT2205-2AC■■-■■A0**	0.45	FSA	**6SL5310-1BE10-8DF1**	**6FX■002-8QN08-1■■■**
	3.6 (2.66)	10.8 (7.97)	1500	0.53 (0.71)	3.4 (2.51)	**1FT2205-2AF■■-■■A0**	0.6	FSA	**6SL5310-1BE11-0DF1**	**6FX■002-8QN08-1■■■**
	3.6 (2.66)	10.8 (7.97)	2500	0.82 (1.1)	3.15 (2.32)	**1FT2205-2AH■■-■■A0**	0.9	FSB	**6SL5310-1BE11-5DF1**	**6FX■002-8QN08-1■■■**
	6.0 (4.43)	18 (13.28)	1500	0.86 (1.15)	5.5 (4.06)	**1FT2205-4AF■■-■■A0**	0.9	FSB	**6SL5310-1BE11-5DF1**	**6FX■002-8QN08-1■■■**
63	6.0 (4.43)	18 (13.28)	1000	0.61 (0.82)	5.85 (4.31)	**1FT2206-2AC■■-■■A0**	0.6	FSA	**6SL5310-1BE11-0DF1**	**6FX■002-8QN11-1■■■**
	6.5 (4.79)	18 (13.28)	1500	0.97 (1.3)	6.1 (4.5)	**1FT2206-2AF■■-■■A0**	0.9	FSB	**6SL5310-1BE11-5DF1**	**6FX■002-8QN11-1■■■**
	6.5 (4.79)	18 (13.28)	2500	1.45 (1.94)	5.5 (4.06)	**1FT2206-2AH■■-■■A0**	1.2	FSB	**6SL5310-1BE12-0DF1**	**6FX■002-8QN11-1■■■**
	9.0 (6.64)	27 (19.92)	750	0.68 (0.91)	8.7 (6.42)	**1FT2206-3AB■■-■■A0**	0.9	FSB	**6SL5310-1BE11-5DF1**	**6FX■002-8QN11-1■■■**
	9.0 (6.64)	27 (19.92)	1500	1.29 (1.73)	8.2 (6.05)	**1FT2206-3AF■■-■■A0**	1.2	FSB	**6SL5310-1BE12-0DF1**	**6FX■002-8QN11-1■■■**
	12 (8.85)	38 (28.03)	1000	1.2 (1.61)	11.5 (8.48)	**1FT2206-4AC■■-■■A0**	0.9	FSB	**6SL5310-1BE11-5DF1**	**6FX■002-8QN11-1■■■**
	12 (8.85)	36 (26.55)	1500	1.72 (2.31)	10.9 (8.04)	**1FT2206-4AF■■-■■A0**	2.1	FSC	**6SL5310-1BE13-5DF1**	**6FX■002-8QN11-1■■■**
	12 (8.85)	36 (26.55)	2500	2.4 (3.22)	9.3 (6.86)	**1FT2206-4AH■■-■■A0**	3.0	FSC	**6SL5310-1BE15-0DF1**	**6FX■002-8QN11-1■■■**

Article No. supplements

Holding brake					
Without holding brake	0				
With holding brake	1				
Degree of protection					
IP64 (without shaft sealing ring)		0			
IP65 (with shaft sealing ring)		1			
IP67 (with shaft sealing ring)		2			
Shaft end / feather key					
Plain shaft			0		
Shaft with feather key			1		
Plain shaft, reduced shaft diameter (only with IP64 and without feather key for 1FT2.03)		0	2		
Plain shaft, reduced shaft diameter (only for 1FT2.04, 1FT2.08 and 1FT2.10)			2		
Shaft with feather key, reduced shaft diameter (only for 1FT2.04, 1FT2.08 and 1FT2.10)			3		
Encoder					
AS22DQC (absolute encoder 22-bit singleturn)				S	
AM22DQC (absolute encoder 22-bit + 12-bit multiturn)				M	
AS26DQC (absolute encoder 26-bit singleturn)				B	
AM26DQC (absolute encoder 26-bit + 12-bit multiturn)				C	

Pre-assembled MOTION-CONNECT cable			
MOTION-CONNECT 500	5		
MOTION-CONNECT 800PLUS	8		
Length code (max. 50 m (164 ft))			
0 m (0 ft)		A	
10 m (32.8 ft)		B	
...		...	
50 m (164 ft)		F	
0 m (0 ft)			A
1 m (3.28 ft)			B
2 m (6.56 ft)			C
3 m (9.84 ft)			D
4 m (13.1 ft)			E
5 m (16.4 ft)			F
6 m (19.7 ft)			G
7 m (23.0 ft)			H
8 m (26.2 ft)			J
9 m (29.5 ft)			K
0 m (0 ft)			0
0.1 m (0.33 ft)			1
...			...
0.8 m (2.62 ft)			8

For operation with a supply voltage of 200 V to 240 V 3 AC, an external, intrinsically safe braking resistor is always required for SINAMICS S210 (6SL3...) converters for each converter. Use of braking resistors integrated in the converter is not permissible with this supply voltage.
The innovated SINAMICS S210 (6SL5...) converters may also be operated with the integrated braking resistor at this supply voltage. An external braking resistor is not required for this.

© Siemens 2026

Order overview

SINAMICS S210 drive system with SIMOTICS S-1FT2 servomotors for line connection 200 ... 240 V 3 AC (continued)

SIMOTICS S-1FT2 servomotor							SINAMICS S210 servo converter (3 AC series) Supply voltage 200 ... 240 V 3 AC			MOTION-CONNECT motor connection cable
Shaft height	Static torque M_0 Nm (lb$_f$-ft)	Maximum torque M_{max} Nm (lb$_f$-ft)	Rated speed n_N r/min	Rated power 230 V P_N kW (hp)	Rated torque M_N Nm (lb$_f$-ft)	Article No.	Rated power 240 V P_N kW	Frame size	Article No.	Article No.
Compact for high precision applications (continued)							**SINAMICS S210 servo converter**			**One Cable Connection**
80	12.5 (9.22)	38 (28.03)	1500	1.68 (2.25)	10.7 (7.89)	**1FT2208-2AF■■-■■A0**	2.1	FSC	**6SL5310-1BE13-5DF1**	**6FX■002-8QN11-1■■■**
	18 (13.28)	51 (37.62)	750	1.34 (1.8)	17 (12.54)	**1FT2208-3AB■■-■■A0**	1.2	FSB	**6SL5310-1BE12-0DF1**	**6FX■002-8QN11-1■■■**
	18 (13.28)	51 (37.62)	1000	1.74 (2.33)	16.6 (12.24)	**1FT2208-3AC■■-■■A0**	2.1	FSC	**6SL5310-1BE13-5DF1**	**6FX■002-8QN11-1■■■**
	18 (13.28)	51 (37.62)	1500	2.4 (3.22)	15.4 (11.36)	**1FT2208-3AF■■-■■A0**	3.0	FSC	**6SL5310-1BE15-0DF1**	**6FX■002-8QN11-1■■■**
	22 (16.23)	66 (48.68)	750	1.62 (2.17)	20.7 (15.27)	**1FT2208-4AB■■-■■A0**	2.1	FSC	**6SL5310-1BE13-5DF1**	**6FX■002-8QN11-1■■■**
	22 (16.23)	66 (48.68)	1000	2.15 (2.88)	20 (14.75)	**1FT2208-4AC■■-■■A0**	3.0	FSC	**6SL5310-1BE15-0DF1**	**6FX■002-8QN11-1■■■**
	22 (16.23)	66 (48.68)	1500	2.75 (3.69)	17.6 (12.98)	**1FT2208-4AF■■-■■A0**	4.2	FSC	**6SL5310-1BE17-0DF1**	**6FX■002-8QN11-1■■■**
	27 (19.92)	80 (59.01)	750	1.92 (2.57)	24.5 (18.07)	**1FT2208-5AB■■-■■A0**	2.1	FSC	**6SL5310-1BE13-5DF1**	**6FX■002-8QN11-1■■■**
	27 (19.92)	80 (59.01)	1000	2.5 (3.35)	23.5 (17.33)	**1FT2208-5AC■■-■■A0**	4.2	FSC	**6SL5310-1BE17-0DF1**	**6FX■002-8QN11-1■■■**
100	22 (16.23)	60 (44.26)	1000	2.15 (2.88)	20.5 (15.12)	**1FT2210-2AC■■-■■A0**	3.0	FSC	**6SL5310-1BE15-0DF1**	**6FX■002-8QN11-1■■■**
	22 (16.23)	60 (44.26)	1500	3.1 (4.16)	19.6 (14.46)	**1FT2210-2AF■■-■■A0**	4.2	FSC	**6SL5310-1BE17-0DF1**	**6FX■002-8QN11-1■■■**
	30 (22.13)	90 (66.38)	750	2.5 (3.35)	30 (22.13)	**1FT2210-3AB■■-■■A0**	2.1	FSC	**6SL5310-1BE13-5DF1**	**6FX■002-8QN11-1■■■**
	30 (22.13)	90 (66.38)	1000	3.2 (4.29)	30 (22.13)	**1FT2210-3AC■■-■■A0**	4.2	FSC	**6SL5310-1BE17-0DF1**	**6FX■002-8QN11-1■■■**
	40 (29.5)	120 (88.51)	750	3.05 (4.09)	39 (28.77)	**1FT2210-4AB■■-■■A0**	3.0	FSC	**6SL5310-1BE15-0DF1**	**6FX■002-8QN11-1■■■**
	40 (29.5)	120 (88.51)	1000	3.9 (5.23)	37 (27.29)	**1FT2210-4AC■■-■■A0**	4.2	FSC	**6SL5310-1BE17-0DF1**	**6FX■002-8QN11-1■■■**
	50 (36.88)	150 (110.64)	750	3.5 (4.69)	44.5 (32.82)	**1FT2210-5AB■■-■■A0**	4.2	FSC	**6SL5310-1BE17-0DF1**	**6FX■002-8QN11-1■■■**

Article No. supplements

| | | | | | | |

© Siemens 2026

Order overview

SINAMICS S210 drive system with SIMOTICS S-1FT2 servomotors for line connection 200 ... 240 V 3 AC (continued)

SIMOTICS S-1FT2 servomotor							SINAMICS S210 servo converter (3 AC series) Supply voltage 200 ... 240 V 3 AC			MOTION-CONNECT motor connection cable
Shaft height	Static torque M_0 Nm (lb$_f$-ft)	Maximum torque M_{max} Nm (lb$_f$-ft)	Rated speed n_N r/min	Rated power 230 V P_N kW (hp)	Rated torque M_N Nm (lb$_f$-ft)	Article No.	Rated power 240 V P_N kW	Frame size	Article No.	Article No.
Compact for high precision applications – forced ventilation							**SINAMICS S210 servo converter**			**One Cable Connection**
63 NEW	14.5 (10.7)	36 (26.55)	1500	2.1	13.4 (9.88)	**1FT2206-4SF■■-■■A0**	3.0	FSC	**6SL5310-1BE15-0DF1**	**6FX■002-8QN11-1■■■**
NEW	14.5 (10.7)	36 (26.55)	2500	3.1	11.9 (8.78)	**1FT2206-4SH■■-■■A0**	3.0	FSC	**6SL5310-1BE15-0DF1**	**6FX■002-8QN11-1■■■**
80	22 (16.23)	51 (37.62)	750	1.62 (2.17)	20.5 (15.12)	**1FT2208-2SB■■-■■A0**	2.1	FSC	**6SL5310-1BE13-5DF1**	**6FX■002-8QN11-1■■■**
	22 (16.23)	51 (37.62)	1000	2.15 (2.88)	20.5 (15.12)	**1FT2208-3SC■■-■■A0**	3.0	FSC	**6SL5310-1BE15-0DF1**	**6FX■002-8QN11-1■■■**
	22 (16.23)	51 (37.62)	1500	3.1 (4.16)	19.9 (14.68)	**1FT2208-3SF■■-■■A0**	4.2	FSC	**6SL5310-1BE17-0DF1**	**6FX■002-8QN11-1■■■**
	28 (20.65)	66 (48.68)	750	2.1 (2.82)	26.5 (19.55)	**1FT2208-4SB■■-■■A0**	3.0	FSC	**6SL5310-1BE15-0DF1**	**6FX■002-8QN11-1■■■**
	28 (20.65)	66 (48.68)	1000	2.75 (3.69)	26 (19.18)	**1FT2208-4SC■■-■■A0**	4.2	FSC	**6SL5310-1BE17-0DF1**	**6FX■002-8QN11-1■■■**
	35 (25.82)	80 (59.01)	750	2.6 (3.49)	33.5 (24.71)	**1FT2208-5SB■■-■■A0**	3.0	FSC	**6SL5310-1BE15-0DF1**	**6FX■002-8QN11-1■■■**
100 NEW	53 (39.09)	120 (88.51)	750	4 (2.95)	51 (37.60)	**1FT2210-4SB■■-■■A0**	4.2	FSC	**6SL5310-1BE17-0DF1**	**6FX■002-8QN21-1■■■**

Article No. supplements

Holding brake		
Without holding brake	0	
With holding brake	1	
With reinforced brake (only for 1FT2208-2 and 1FT2208-3)	2	
Degree of protection		
IP64 (without shaft sealing ring)	0	
IP65 (with shaft sealing ring)	1	
IP67 (with shaft sealing ring)	2	
Shaft end / feather key		
Plain shaft		0
Shaft with feather key		1
Plain shaft, reduced shaft diameter (only with IP64 and without feather key for 1FT2.03)	0	2
Plain shaft, reduced shaft diameter (only for 1FT2.04, 1FT2.08 and 1FT2.10)		2
Shaft with feather key, reduced shaft diameter (only for 1FT2.04, 1FT2.08 and 1FT2.10)		3
Encoder		
AS22DQC (absolute encoder 22-bit singleturn)		S
AM22DQC (absolute encoder 22-bit + 12-bit multiturn)		M
AS26DQC (absolute encoder 26-bit singleturn)		B
AM26DQC (absolute encoder 26-bit + 12-bit multiturn)		C

Pre-assembled MOTION-CONNECT cable		
MOTION-CONNECT 500	5	
MOTION-CONNECT 800PLUS	8	
Length code (max. 50 m (164 ft))		
0 m (0 ft)		A
10 m (32.8 ft)		B
...		...
50 m (164 ft)		F
0 m (0 ft)		A
1 m (3.28 ft)		B
2 m (6.56 ft)		C
3 m (9.84 ft)		D
4 m (13.1 ft)		E
5 m (16.4 ft)		F
6 m (19.7 ft)		G
7 m (23.0 ft)		H
8 m (26.2 ft)		J
9 m (29.5 ft)		K
0 m (0 ft)		0
0.1 m (0.33 ft)		1
...		...
0.8 m (2.62 ft)		8

For operation with a supply voltage of 200 V to 240 V 3 AC, an external, intrinsically safe braking resistor is always required for SINAMICS S210 (6SL3...) converters for each converter. Use of braking resistors integrated in the converter is not permissible with this supply voltage. The innovated SINAMICS S210 (6SL5...) converters may also be operated with the integrated braking resistor at this supply voltage. An external braking resistor is not required for this.

© Siemens 2026

Order overview

SINAMICS S210 drive system with SIMOTICS S-1FT2 servomotors for line connection 380 ... 480 V 3 AC

SIMOTICS S-1FT2 servomotor							SINAMICS S210 servo converter (3 AC series) Supply voltage 380 ... 480 V 3 AC			MOTION-CONNECT motor connection cable
Shaft height	Static torque M_0 Nm (lb_f-ft)	Maximum torque M_{max} Nm (lb_f-ft)	Rated speed n_N r/min	Rated power 400 V P_N kW (hp)	Rated torque M_N Nm (lb_f-ft)	Article No.	Rated power 400 V P_N kW	Frame size	Article No.	Article No.
High Dynamic for highly dynamic applications							**SINAMICS S210 servo converter**			**One Cable Connection**
30	0.64 (0.47)	1.95 (1.44)	4500	0.28 (0.38)	0.59 (0.44)	**1FT2103-2AH■■-■■A0**	0.4	FSA	**6SL5310-1BE10-4DF1**	**6FX■002-8QN08-1■■■**
	1.27 (0.94)	4.05 (2.99)	4500	0.48 (0.64)	1.01 (0.74)	**1FT2103-4AH■■-■■A0**	0.75	FSA	**6SL5310-1BE10-8DF1**	**6FX■002-8QN08-1■■■**
40	1.27 (0.94)	3.75 (2.77)	3000	0.4 (0.54)	1.27 (0.94)	**1FT2104-4AF■■-■■A0**	0.4	FSA	**6SL5310-1BE10-4DF1**	**6FX■002-8QN08-1■■■**
	1.27 (0.94)	3.85 (2.84)	6000	0.6 (0.8)	0.95 (0.7)	**1FT2104-4AK■■-■■A0**	1.0	FSA	**6SL5310-1BE11-0DF1**	**6FX■002-8QN08-1■■■**
	2.4 (1.77)	7.5 (5.53)	3000	0.75 (1.01)	2.4 (1.77)	**1FT2104-5AF■■-■■A0**	0.75	FSA	**6SL5310-1BE10-8DF1**	**6FX■002-8QN08-1■■■**
	2.4 (1.77)	7.6 (5.61)	6000	1.07 (1.43)	1.7 (1.25)	**1FT2104-5AK■■-■■A0**	1.5	FSB	**6SL5310-1BE11-5DF1**	**6FX■002-8QN08-1■■■**
	3.2 (2.36)	10 (7.38)	3000	1.0 (1.34)	3.2 (2.36)	**1FT2104-6AF■■-■■A0**	1.0	FSA	**6SL5310-1BE11-0DF1**	**6FX■002-8QN08-1■■■**
	3.6 2.66	10 (7.38)	4500	1.32 (1.77)	2.8 (2.07)	**1FT2104-6AH■■-■■A0**	1.5	FSB	**6SL5310-1BE11-5DF1**	**6FX■002-8QN11-1■■■**
52	5.0 (3.69)	15 (11.06)	3000	1.45 (1.94)	4.6 (3.39)	**1FT2105-4AF■■-■■A0**	1.5	FSB	**6SL5310-1BE11-5DF1**	**6FX■002-8QN08-1■■■**
	5.0 (3.69)	15 (11.06)	4500	1.74 (2.33)	3.7 (2.73)	**1FT2105-4AH■■-■■A0**	3.5	FSC	**6SL5310-1BE13-5DF1**	**6FX■002-8QN08-1■■■**
	8.0 (5.9)	24 (17.7)	3000	2.1 (2.82)	6.6 (4.87)	**1FT2105-6AF■■-■■A0**	2.0	FSB	**6SL5310-1BE12-0DF1**	**6FX■002-8QN08-1■■■**
63	9.0 (6.64)	26 (19.18)	3000	2.3 (3.08)	7.3 (5.38)	**1FT2106-3AF■■-■■A0**	5.0	FSC	**6SL5310-1BE15-0DF1**	**6FX■002-8QN11-1■■■**
	12 (8.85)	33 (24.34)	3000	2.7 (3.62)	8.6 (6.34)	**1FT2106-4AF■■-■■A0**	5.0	FSC	**6SL5310-1BE15-0DF1**	**6FX■002-8QN11-1■■■**
	16 (11.8)	45.5 (33.56)	3000	3.3 (4.43)	10.6 (7.82)	**1FT2106-6AF■■-■■A0**	7.0	FSC	**6SL5310-1BE17-0DF1**	**6FX■002-8QN11-1■■■**

Article No. supplements

| | | | | | | |

© Siemens 2026

Order overview

SINAMICS S210 drive system with SIMOTICS S-1FT2 servomotors for line connection 380 ... 480 V 3 AC (continued)

SIMOTICS S-1FT2 servomotor							SINAMICS S210 servo converter (3 AC series) Supply voltage 380 ... 480 V 3 AC			MOTION-CONNECT motor connection cable
Shaft height	Static torque M_0 Nm (lb_f-ft)	Maximum torque M_{max} Nm (lb_f-ft)	Rated speed n_N r/min	Rated power 400 V P_N kW (hp)	Rated torque M_N Nm (lb_f-ft)	Article No.	Rated power 400 V P_N kW	Frame size	Article No.	Article No.
High Dynamic for highly dynamic applications (continued)							**SINAMICS S210 servo converter**			**One Cable Connection**
80	25 (18.44)	74 (54.58)	2000	4.3 (5.77)	20.5 (15.12)	**1FT2108-4AC■■-■■A0**	7.0	FSC	**6SL5310-1BE17-0DF1**	**6FX■002-8QN11-1■■■**
	30 (22.13)	100 (73.73)	1500	4.0 (5.36)	25.5 (18.81)	**1FT2108-5AB■■-■■A0**	7.0	FSC	**6SL5310-1BE17-0DF1**	**6FX■002-8QN11-1■■■**
	37.5 (27.66)	118 (87.04)	1500	4.7 (6.30)	30 (22.13)	**1FT2108-7AB■■-■■A0**	7.0	FSC	**6SL5310-1BE17-0DF1**	**6FX■002-8QN11-1■■■**
High Dynamic for highly dynamic applications – forced ventilation							**SINAMICS S210 servo converter**			**One Cable Connection**
63 NEW	11.5 (8.48)	26 (19.18)	3000	3.1 (4.21)	9.8 (7.23)	**1FT2106-3SF■■-■■A0**	5.0	FSC	**6SL5310-1BE15-0DF1**	**6FX■002-8QN11-1■■■**
NEW	16 (11.8)	33 (24.34)	3000	4.05 (5.43)	12.9 (9.51)	**1FT2106-4SF■■-■■A0**	7.0	FSC	**6SL5310-1BE17-0DF1**	**6FX■002-8QN11-1■■■**
80	40 (29.5)	100 (73.73)	1500	5.6 (7.51)	35.5 (16.18)	**1FT2108-5SB■■-■■A0**	7.0	FSC	**6SL5310-1BE17-0DF1**	**6FX■002-8QN11-1■■■**

Article No. supplements

Holding brake																								
Without holding brake	**0**																							
With holding brake	**1**																							
With reinforced brake (only for 1FT2108)	**2**																							
Degree of protection																								
IP64 (without shaft sealing ring)		**0**																						
IP65 (with shaft sealing ring)		**1**																						
IP67 (with shaft sealing ring)		**2**																						
Shaft end / feather key																								
Plain shaft			**0**																					
Shaft with feather key			**1**																					
Plain shaft, reduced shaft diameter (only with IP64 and without feather key for 1FT2.03)		**0**	**2**																					
Plain shaft, reduced shaft diameter (only for 1FT2.04, 1FT2.08 and 1FT2.10)			**2**																					
Shaft with feather key, reduced shaft diameter (only for 1FT2.04, 1FT2.08 and 1FT2.10)			**3**																					
Encoder																								
AS22DQC (absolute encoder 22-bit singleturn)				**S**																				
AM22DQC (absolute encoder 22-bit + 12-bit multiturn)				**M**																				
AS26DQC (absolute encoder 26-bit singleturn)				**B**																				
AM26DQC (absolute encoder 26-bit multiturn)				**C**																				

Pre-assembled MOTION-CONNECT cable																								
MOTION-CONNECT 500													**5**											
MOTION-CONNECT 800PLUS													**8**											
Length code (max. 50 m (164 ft))																								
0 m (0 ft)														**A**										
10 m (32.8 ft)														**B**										
...														...										
50 m (164 ft)														**F**										
0 m (0 ft)															**A**									
1 m (3.28 ft)															**B**									
2 m (6.56 ft)															**C**									
3 m (9.84 ft)															**D**									
4 m (13.1 ft)															**E**									
5 m (16.4 ft)															**F**									
6 m (19.7 ft)															**G**									
7 m (23.0 ft)															**H**									
8 m (26.2 ft)															**J**									
9 m (29.5 ft)															**K**									
0 m (0 ft)																**0**								
0.1 m (0.33 ft)																**1**								
...																...								
0.8 m (2.62 ft)																**8**								

© Siemens 2026

Order overview

SINAMICS S210 drive system with SIMOTICS S-1FT2 servomotors for line connection 380 ... 480 V 3 AC (continued)

SIMOTICS S-1FT2 servomotor							SINAMICS S210 servo converter (3 AC series) Supply voltage 380 ... 480 V 3 AC			MOTION-CONNECT motor connection cable
Shaft height	Static torque M_0 Nm (lb_f-ft)	Maxi-mum torque M_{max} Nm (lb_f-ft)	Rated speed n_N r/min	Rated power 400 V P_N kW (hp)	Rated torque M_N Nm (lb_f-ft)	Article No.	Rated power 400 V P_N kW	Frame size	Article No.	Article No.
Compact for high precision applications							**SINAMICS S210 servo converter**			**One Cable Connection**
30	0.64 (0.47)	1.85 (1.36)	6000	0.255 (0.34)	0.405 (0.3)	**1FT2203-2AK■■-■■A0**	0.4	FSA	**6SL5310-1BE10-4DF1**	**6FX■002-8QN08-1■■■**
	1.27 (0.94)	3.75 (2.77)	6000	0.43 (0.58)	0.68 (0.5)	**1FT2203-4AK■■-■■A0**	0.75	FSA	**6SL5310-1BE10-8DF1**	**6FX■002-8QN08-1■■■**
40	2.4 (1.77)	7.1 (5.24)	3000	0.75 (1.01)	2.4 (1.77)	**1FT2204-5AF■■-■■A0**	0.75	FSA	**6SL5310-1BE10-8DF1**	**6FX■002-8QN08-1■■■**
	2.4 (1.77)	7.1 (5.24)	6000	0.57 (0.76)	0.9 (0.66)	**1FT2204-5AK■■-■■A0**	1.5	FSB	**6SL5310-1BE11-5DF1**	**6FX■002-8QN08-1■■■**
	3.2 (2.36)	9.5 (7.01)	3000	1.0 (1.34)	3.2 (2.36)	**1FT2204-6AF■■-■■A0**	1.0	FSA	**6SL5310-1BE11-0DF1**	**6FX■002-8QN08-1■■■**
48	3.6 (2.66)	10.8 (7.97)	2000	0.69 (0.93)	3.3 (2.43)	**1FT2205-2AC■■-■■A0**	0.75	FSA	**6SL5310-1BE10-8DF1**	**6FX■002-8QN08-1■■■**
	3.6 (2.66)	10.8 (7.97)	3000	0.94 (1.26)	3.0 (2.21)	**1FT2205-2AF■■-■■A0**	1.0	FSA	**6SL5310-1BE11-0DF1**	**6FX■002-8QN08-1■■■**
	3.6 (2.66)	10.8 (7.97)	4500	1.06 (1.42)	2.25 (1.66)	**1FT2205-2AH■■-■■A0**	1.5	FSB	**6SL5310-1BE11-5DF1**	**6FX■002-8QN08-1■■■**
	6.0 (4.43)	18 (13.28)	3000	1.45 (1.94)	4.6 (3.39)	**1FT2205-4AF■■-■■A0**	1.5	FSB	**6SL5310-1BE11-5DF1**	**6FX■002-8QN08-1■■■**
63	6 (4.43)	18 (13.28)	2000	1.15 (1.54)	5.5 (4.06)	**1FT2206-2AC■■-■■A0**	1.0	FSA	**6SL5310-1BE11-0DF1**	**6FX■002-8QN11-1■■■**
	6.5 (4.79)	18 (13.28)	3000	1.71 (2.29)	5.4 (3.98)	**1FT2206-2AF■■-■■A0**	1.5	FSB	**6SL5310-1BE11-5DF1**	**6FX■002-8QN11-1■■■**
	6.5 (4.79)	18 (13.28)	4500	1.8 (2.41)	3.85 (2.84)	**1FT2206-2AH■■-■■A0**	2.0	FSB	**6SL5310-1BE12-0DF1**	**6FX■002-8QN11-1■■■**
	9.0 (6.64)	27 (19.92)	1500	1.3 (1.74)	8.3 (6.12)	**1FT2206-3AB■■-■■A0**	1.5	FSB	**6SL5310-1BE11-5DF1**	**6FX■002-8QN11-1■■■**
	9.0 (6.64)	27 (19.92)	3000	2.35 (3.15)	7.5 (5.53)	**1FT2206-3AF■■-■■A0**	2.0	FSB	**6SL5310-1BE12-0DF1**	**6FX■002-8QN11-1■■■**
	12 (8.85)	38 (28.03)	2000	2.2 (2.95)	10.5 (7.74)	**1FT2206-4AC■■-■■A0**	1.5	FSB	**6SL5310-1BE11-5DF1**	**6FX■002-8QN11-1■■■**
	12 (8.85)	36 (26.55)	3000	2.85 (3.82)	9.1 (6.71)	**1FT2206-4AF■■-■■A0**	3.5	FSC	**6SL5310-1BE13-5DF1**	**6FX■002-8QN11-1■■■**
	12 (8.85)	36 (26.55)	4500	2.2 (2.95)	4.7 (3.47)	**1FT2206-4AH■■-■■A0**	5.0	FSC	**6SL5310-1BE15-0DF1**	**6FX■002-8QN11-1■■■**

Article No. supplements

| | | | | | | |

© Siemens 2026

Order overview

SINAMICS S210 drive system with SIMOTICS S-1FT2 servomotors for line connection 380 ... 480 V 3 AC (continued)

SIMOTICS S-1FT2 servomotor							SINAMICS S210 servo converter (3 AC series) Supply voltage 380 ... 480 V 3 AC			MOTION-CONNECT motor connection cable
Shaft height	Static torque M_0 Nm (lb$_f$-ft)	Maximum torque M_{max} Nm (lb$_f$-ft)	Rated speed n_N r/min	Rated power 400 V P_N kW (hp)	Rated torque M_N Nm (lb$_f$-ft)	Article No.	Rated power 400 V P_N kW	Frame size	Article No.	Article No.
Compact for high precision applications (continued)							**SINAMICS S210 servo converter**			**One Cable Connection**
80	12.5 (9.22)	38 (28.03)	3000	2.85 (3.82)	9.0 (6.64)	**1FT2208-2AF■■-■■A0**	3.5	FSC	**6SL5310-1BE13-5DF1**	**6FX■002-8QN11-1■■■**
	18 (13.28)	51 (37.62)	1500	2.5 (3.35)	16 (11.8)	**1FT2208-3AB■■-■■A0**	2.0	FSB	**6SL5310-1BE12-0DF1**	**6FX■002-8QN11-1■■■**
	18 (13.28)	51 (37.62)	2000	3.05 (4.09)	14.5 (10.7)	**1FT2208-3AC■■-■■A0**	3.5	FSC	**6SL5310-1BE13-5DF1**	**6FX■002-8QN11-1■■■**
	18 (13.28)	51 (37.62)	3000	3.5 (4.69)	11.1 (8.19)	**1FT2208-3AF■■-■■A0**	5.0	FSC	**6SL5310-1BE15-0DF1**	**6FX■002-8QN11-1■■■**
	22 (16.23)	66 (48.68)	1500	2.9 (3.89)	18.6 (13.72)	**1FT2208-4AB■■-■■A0**	3.5	FSC	**6SL5310-1BE13-5DF1**	**6FX■002-8QN11-1■■■**
	22 (16.23)	66 (48.68)	2000	3.55 (4.76)	17 (12.54)	**1FT2208-4AC■■-■■A0**	5.0	FSC	**6SL5310-1BE15-0DF1**	**6FX■002-8QN11-1■■■**
	22 (16.23)	66 (48.68)	3000	3.7 (4.96)	11.8 (8.7)	**1FT2208-4AF■■-■■A0**	7.0	FSC	**6SL5310-1BE17-0DF1**	**6FX■002-8QN11-1■■■**
	27 (19.92)	80 (59.01)	1500	3.45 (4.63)	22 (16.23)	**1FT2208-5AB■■-■■A0**	3.5	FSC	**6SL5310-1BE13-5DF1**	**6FX■002-8QN11-1■■■**
	27 (19.92)	80 (59.01)	2000	4.0 (5.36)	19.1 (14.09)	**1FT2208-5AC■■-■■A0**	7.0	FSC	**6SL5310-1BE17-0DF1**	**6FX■002-8QN11-1■■■**
100	22 (16.23)	60 (44.26)	2000	3.85 (5.16)	18.4 (13.57)	**1FT2210-2AC■■-■■A0**	5.0	FSC	**6SL5310-1BE15-0DF1**	**6FX■002-8QN11-1■■■**
	22 (16.23)	60 (44.26)	3000	5.1 (6.84)	16.2 (11.95)	**1FT2210-2AF■■-■■A0**	7.0	FSC	**6SL5310-1BE17-0DF1**	**6FX■002-8QN11-1■■■**
	30 (22.13)	90 (66.38)	1500	4.5 (6.03)	28.5 (21.02)	**1FT2210-3AB■■-■■A0**	3.5	FSC	**6SL5310-1BE13-5DF1**	**6FX■002-8QN11-1■■■**
	30 (22.13)	90 (66.38)	2000	5.5 (7.38)	26 (19.18)	**1FT2210-3AC■■-■■A0**	7.0	FSC	**6SL5310-1BE17-0DF1**	**6FX■002-8QN11-1■■■**
	40 (29.5)	120 (88.51)	1500	5.4 (7.24)	34.5 (25.45)	**1FT2210-4AB■■-■■A0**	5.0	FSC	**6SL5310-1BE15-0DF1**	**6FX■002-8QN11-1■■■**
	40 (29.5)	120 (88.51)	2000	6.4 (8.58)	30.5 (22.5)	**1FT2210-4AC■■-■■A0**	7.0	FSC	**6SL5310-1BE17-0DF1**	**6FX■002-8QN11-1■■■**
	50 (36.88)	150 (110.64)	1500	6.1 (8.18)	39 (28.77)	**1FT2210-5AB■■-■■A0**	7.0	FSC	**6SL5310-1BE17-0DF1**	**6FX■002-8QN11-1■■■**

Article No. supplements

| | | | | | | |

© Siemens 2026

Order overview

SINAMICS S210 drive system with SIMOTICS S-1FT2 servomotors for line connection 380 ... 480 V 3 AC (continued)

SIMOTICS S-1FT2 servomotor							SINAMICS S210 servo converter (3 AC series) Supply voltage 380 ... 480 V 3 AC			MOTION-CONNECT motor connection cable
Shaft height	Static torque M_0 Nm (lb_f-ft)	Maximum torque M_{max} Nm (lb_f-ft)	Rated speed n_N r/min	Rated power 400 V P_N kW (hp)	Rated torque M_N Nm (lb_f-ft)	Article No.	Rated power 400 V P_N kW	Frame size	Article No.	Article No.
Compact for high precision applications – forced ventilation							**SINAMICS S210 servo converter**			**One Cable Connection**
63	14.5 (10.70)	36 (26.55)	3000	3.85 (5.16)	12.2 (9.00)	**1FT2206-4SF■■-■■A0**	5.0	FSC	**6SL5310-1BE15-0DF1**	**6FX■002-8QN11-1■■■**
	14.5 (10.70)	36 (26.55)	4500	4.7 (6.3)	10 (7.38)	**1FT2206-4SH■■-■■A0**	5.0	FSC	**6SL5310-1BE15-0DF1**	**6FX■002-8QN11-1■■■**
80	22 (16.23)	51 (37.62)	1500	3.1 (4.16)	19.9 (14.68)	**1FT2208-3SB■■-■■A0**	5.0	FSC	**6SL5310-1BE13-5DF1**	**6FX■002-8QN11-1■■■**
	22 (16.23)	51 (37.62)	2000	4.0 (4.36)	19.1 (14.09)	**1FT2208-3SC■■-■■A0**	7.0	FSC	**6SL5310-1BE15-0DF1**	**6FX■002-8QN11-1■■■**
	22 (16.23)	51 (37.62)	3000	5.5 (7.38)	17.6 (12.98)	**1FT2208-3SF■■-■■A0**	5.0	FSC	**6SL5310-1BE17-0DF1**	**6FX■002-8QN11-1■■■**
	28 (20.65)	66 (48.68)	1500	4.0 (4.36)	25.5 (18.81)	**1FT2208-4SB■■-■■A0**	7.0	FSC	**6SL5310-1BE15-0DF1**	**6FX■002-8QN11-1■■■**
	28 (20.65)	66 (48.68)	2000	5.1 (6.84)	24 (17.70)	**1FT2208-4SC■■-■■A0**	5.0	FSC	**6SL5310-1BE17-0DF1**	**6FX■002-8QN11-1■■■**
	35 (25.82)	80 (59.01)	1500	5.0 (6.71)	32 (23.60)	**1FT2208-5SB■■-■■A0**	3.0	FSC	**6SL5310-1BE15-0DF1**	**6FX■002-8QN11-1■■■**
100	53 (39.09)	120 (88.51)	1500	7.6 (10.19)	48 (35.4)	**1FT2210-4SB■■-■■A0**	7.0	FSC	**6SL5310-1BE17-0DF1**	**6FX■002-8QN11-1■■■**

Article No. supplements

Holding brake		
Without holding brake	**0**	
With holding brake	**1**	
With reinforced brake (only for 1FT2208-2 and 1FT2208-3)	**2**	
Degree of protection		
IP64 (without shaft sealing ring)	**0**	
IP65 (with shaft sealing ring)	**1**	
IP67 (with shaft sealing ring)	**2**	
Shaft end / feather key		
Plain shaft		**0**
Shaft with feather key		**1**
Plain shaft, reduced shaft diameter (only with IP64 and without feather key for 1FT2.03)	**0**	**2**
Plain shaft, reduced shaft diameter (only for 1FT2.04, 1FT2.08 and 1FT2.10)		**2**
Shaft with feather key, reduced shaft diameter (only for 1FT2.04, 1FT2.08 and 1FT2.10)		**3**
Encoder		
AS22DQC (absolute encoder 22-bit singleturn)		**S**
AM22DQC (absolute encoder 22-bit + 12-bit multiturn)		**M**
AS26DQC (absolute encoder 26-bit singleturn)		**B**
AM26DQC (absolute encoder 26-bit + 12-bit multiturn)		**C**

Pre-assembled MOTION-CONNECT cable			
MOTION-CONNECT 500	**5**		
MOTION-CONNECT 800PLUS	**8**		
Length code (max. 50 m (164 ft))			
0 m (0 ft)		**A**	
10 m (32.8 ft)		**B**	
...		...	
50 m (164 ft)		**F**	
0 m (0 ft)			**A**
1 m (3.28 ft)			**B**
2 m (6.56 ft)			**C**
3 m (9.84 ft)			**D**
4 m (13.1 ft)			**E**
5 m (16.4 ft)			**F**
6 m (19.7 ft)			**G**
7 m (23.0 ft)			**H**
8 m (26.2 ft)			**J**
9 m (29.5 ft)			**K**
0 m (0 ft)			**0**
0.1 m (0.33 ft)			**1**
...			...
0.8 m (2.62 ft)			**8**

© Siemens 2026

Clicking to SiePortal

6SL3255-0AA00-5AA0



Order overview

SINAMICS S210 drive system with SIMOTICS S-1FS2 servomotors

SIMOTICS S-1FS2 servomotor								SINAMICS S210 servo converter	
Shaft height	Static torque M_0 Nm (lb$_f$-ft)	Maximum torque M_{max} Nm (lb$_f$-ft)	Rated speed n_N r/min	Rated power P_N kW (hp) for 380 ... 480 V 3 AC [1]	Rated torque M_N Nm (lb$_f$-ft)	Article No.	Additional order code for cable end and cable length Order code	**Supply voltage 200 ... 240 V 1 AC** Article No.	**Supply voltage 200 ... 240 V 3 AC and 380 ... 480 V 3 AC** Article No.
40	3.1 (2.29)	10 (7.38)	3000	0.8 (1.07)	2.55 (1.88)	**1FS2104-6AF■7-■MZ0**	**Q■■**	**6SL5310-1BB10-8CF0**	**6SL5310-1BE11-0DF1**
52	7.6 (5.61)	24 (17.7)	3000	1.29 (1.73)	4.1 (3.02)	**1FS2105-6AF■7-■MZ0**	**Q■■**	**-**	**6SL5310-1BE12-0DF1**
63	14 (10.3)	42 (31)	2500	1.81 (2.43)	6.9 (5.09)	**1FS2106-6AE■7-■MZ0**	**Q■■**	**-**	**6SL5310-1BE15-0DF1**
	14 (10.3)	42 (31)	3000	1.95 (2.61)	6.2 (4.57)	**1FS2106-6AF■7-■MZ0**	**Q■■**	**-**	**6SL5310-1BE15-0DF1**
80	23.5 (21.39)	80 (59.1)	2000	2.51 (3.37)	12 (8.85)	**1FS2208-5AC■7-■MZ0**	**Q■■**	**-**	**6SL5310-1BE17-0DF1**

Article No. supplements

Holding brake		
Without holding brake	**0**	
With holding brake	**1**	
Shaft end / feather key		
Plain shaft		**0**
Shaft with feather key		**1**

Supplements for the additional order code

Cable end	
Free cable ends for direct connection to the converter	**0**
Cable end with SPEED-CONNECT coupling M17 (1FS2104 and 1FS2105) or M23 (1FS2106 and 1FS2208)	**1**
Cable length	
0.5 m (1.64 ft)	**A**
1 m (3.28 ft)	**B**
1.5 m (4.92 ft)	**C**
2 m (6.56 ft)	**D**
2.5 m (8.20 ft)	**E**
3 m (9.84 ft)	**F**
3.5 m (11.48 ft)	**G**
4 m (13.12 ft)	**H**
4.5 m (14.76 ft)	**J**
5 m (16.41 ft)	**K**
5.5 m (18.05 ft)	**L**
6 m (19.69 ft)	**M**
6.5 m (21.33 ft)	**N**
7 m (22.97 ft)	**P**
7.5 m (24.61 ft)	**Q**
8 m (26.25 ft)	**R**
8.5 m (27.89 ft)	**S**
9 m (29.53 ft)	**T**
9.5 m (31.17 ft)	**U**
10 m (32.81 ft)	**V**
10.5 m (34.45 ft)	**W**
11 m (36.09 ft)	**X**

For operation with a supply voltage of 200 V to 240 V 3 AC, an external, intrinsically safe braking resistor is always required for SINAMICS S210 (6SL3...) converters for each converter. Use of braking resistors integrated in the converter is not permissible with this supply voltage.

The innovated SINAMICS S210 (6SL5...) converters may also be operated with the integrated braking resistor at this supply voltage. An external braking resistor is not required for this.

[1] Values for operation at 200 ... 240 V 1/3 AC, see chapter 3.3 "SIMOTICS S-1FS2 servomotors for SINAMICS S210".

© Siemens 2026

Order overview

SIMOTICS S-1FK2 and S-1FT2 servo planetary geared motors

Configuration in the Siemens Product Configurator
www.siemens.com/simotics-1fk2-servogearedmotors/configuration
www.siemens.com/simotics-1ft2-servogearedmotors/configuration

SIMOTICS S-1FK2 and S-1FT2 servo planetary geared motors

Basic motor
Article No.

Planetary gearbox
Order codes

| | | |

© Siemens 2026

Order overview

Accessories for SINAMICS S210 servo converters

Description	Article No.
SINAMICS SD card for SINAMICS S210 (6SL5...) 8 GB The parameter assignment, firmware and licenses for a converter can be stored on the memory card.	
• Empty	**6SL5970-0AA00-0AA0**
• Empty and Safety license (Extended Functions) [1]	**6SL5970-0AA00-0AA0-ZF01**
• With firmware V6.1	**6SL5370-0GB00-0AA0**
• With firmware V6.1 and Safety license (Extended Functions) [1]	**6SL5370-0GB00-0AA0-ZF01**
• With firmware V6.3	**6SL5370-0GD00-0AA0**
• With firmware V6.3 and Safety license (Extended Functions) [1]	**6SL5370-0GD00-0AA0-ZF01**
• With firmware V6.4 NEW	**6SL5370-0GE00-0AA0**
• With firmware V6.4 and Safety license (Extended Functions) [1] NEW	**6SL5370-0GE00-0AA0-ZF01**
• With firmware V6.4 and SINAMICS OPC UA Single Extended license NEW	**6SL5370-0GE00-0AA0-ZH80**
Safety license for SINAMICS S210 (6SL5...) (Extended Functions) [1] [2]	
• Certificate of License (CoL) in electronic form	**6SL5977-0AA00-2HA0**
SINAMICS OPC UA Single Extended license for SINAMICS S210 (6SL5...)	
• Certificate of License (CoL) in electronic form NEW	**6SL5977-0AA00-1GA0**
PROFINET patch cable For the networking of concatenated converters	
• 0.3 m	**6XV1870-3QE30**
• 0.5 m	**6XV1870-3QE50**
SINAMICS SDI Pro 5.5" NEW Powerful and user-friendly operator panel for the next generation of SINAMICS converters SINAMICS S200, SINAMICS S210 (6SL5...) and SINAMICS G220	**6SL4950-0AH35-2AA0**
SINAMICS Smart Adapter [6] Wi-Fi solution for the next generation of SINAMICS converters SINAMICS S200, SINAMICS S210 (6SL5...) [6] and SINAMICS G220	**6SL4950-0AJ00-0AA0**

Description	Article No.
Only for the 1 AC series	
Line filter With a line filter, Category C2 for motor cable lengths up to 25 m (82 ft), Category C3 for cable lengths up to 50 m (164 ft) acc. to IEC 61800-3 can be achieved.	
• For converters FSA, FSB and FSC	**6SL3203-0BB21-8VA1**
Only for the 3 AC series	
Line filter With a line filter, Category C2 for motor cable lengths up to 25 m (82 ft), Category C3 for cable lengths up to 50 m (164 ft) acc. to IEC 61800-3 can be achieved. When connected via a DC link, a total cable length of up to 100 m (328 ft) with Category C2 and up to 250 m (820 ft) with Category C3 is possible [3]	
• For converters FSA	**6SL3203-0BE23-5HA0**
• For converters FSB, FSC and drive line-ups (with and without DC link coupling, total of the currents ≤ 65 A)	**6SL3203-0BE26-5HA0**
Connector set AC bus and DC link For coupling the DC link and the line infeed Scope of delivery: 1 AC bus connector, 1 DC link connector, 2 cover caps The AC bus connector replaces the push-in connector included in the scope of delivery of the converter. Wiring is performed with conventional 16 mm² cable (not included in scope of delivery) [4]	**6SL3260-2DC00-0AA0**
Connector set AC bus individual For coupling the line infeed Scope of delivery: 1 AC bus connector, 1 cover cap This connector replaces the push-in connector included in the scope of delivery of the converter. Wiring is performed with conventional 16 mm² cable (not included in scope of delivery) [4]	**6SL3260-2DC10-0AA0**
External braking resistors for 200 … 240 V 3 AC For operation with a supply voltage of 200 V to 240 V 3 AC, an external, intrinsically safe braking resistor is always required for SINAMICS S210 (6SL3...) converters for each converter. Use of braking resistors integrated in the converter is not permissible with this supply voltage. The innovated SINAMICS S210 (6SL5...) converters may also be operated with the integrated braking resistor at this supply voltage. An external braking resistor is not required for this. [5]	
• 100 W, 47 Ω for FSA and FSB	**GXK:BWG250047TS-190**
• 240 W, 14 Ω for FSC	**GXK:BWG600014TS-190**

[1] The Extended Functions require a Safety license.
For converters with article number 6SL5... from firmware V6.1, the Extended Functions SS1, SLS, SDI and SSM are available.
All other Safety Integrated Extended Functions are available with firmware from V6.3 and TIA Portal from V19 onwards.

[2] Extended function for an existing memory card. The memory card is not included in the scope of delivery. The Safety license can also be ordered together with a memory card (see above). 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.

[3] The data is applicable for the complete cable length of the motors, whose associated converters are coupled with one another via an AC coupling or through the DC link.
The maximum motor cable length per motor is 25 m using the internal filters to achieve EMC category C3 or an external filter to achieve EMC category C2. If an external filter is used to achieve EMC category C3, the maximum motor cable length per motor is 50 m.

[4] Permissible cables:
- 16 mm², Class 5 (finely stranded, PVC-insulated) H07V-K + H07V2-K according to EN 50525-2-31
- HELUTHERM 145: 16 mm², Class 5 (finely stranded, crosslinked polyolefin-copolymer, halogen-free) www.helukabel.com
- External diameter 6.7 mm to 8.1 mm

Permissible cables (UL approval):
- AWG 6, copper cable with PVC insulation, with or without nylon jacket, 19 strands
- Types: MTW, THHW, THW, THW-2, THHN, THWN-2, TW, TWN
- CSA types: TW, TWU, TWN75, TW75, TWU75, T90, no compressed conductors

[5] The prefix "**GXK:**" is part of a Siemens internal order code that does not belong to the product number of the original manufacturer Michael Koch GmbH.

[6] Release for SINAMICS S210 (6SL5...) available soon.

© Siemens 2026

Order overview

Accessories for SIMOTICS S-1FK2 and S-1FT2 servomotors

Description	For motor	Article No.
Shaft sealing ring (optional) Degree of protection kit to achieve degree of protection IP65 for mounting on the motor — for retrofitting or as spare part	1FK2102 1FT2102	**1FY2902-0GC00**
	1FK2.03 1FT2.03	**1FY2903-0GC00**
	1FK2.04 1FT2.04	**1FY2904-0GC00**

Spare parts for SIMOTICS S-1FS2 servomotors

Description	For motor	Article No.
Gasket External flange gasket on the drive side (DE) of the motor	1FS2104	**1FY2904-1GF00**
	1FS2105	**1FY2905-1GF00**
	1FS2106	**1FY2906-1GF00**
	1FS2108	**1FY2908-1GF00**

SINAMICS S210 starter kit

Description	Article No.
SINAMICS S210 starter kit with Extended Safety Scope of delivery: • SINAMICS S210 (6SL5...) servo converter • SIMOTICS S-1FK2 servomotor, 400 W • One Cable Connection (OCC) motor connection cables, 3 m (9.84 ft) • Memory card with Safety license (Extended Functions)	**6SL5990-0AE30-0AA0**

Training case

Description	Article No.
SINAMICS S210 training case Scope of delivery: • 2 × SINAMICS S210 (6SL5...) servo converters, 0.1 kW, 230 V 1 AC • 2 × SIMOTICS S-1FK2 servomotors, High Dynamic • 2 × One Cable Connection (OCC) motor connection cables • Rail, prepared for installation of a controller, e.g. SIMATIC S7-1500 (controller not included in scope of delivery) The SINAMICS S210 training case is supplied as a trolley with a hood.	**6AG1067-1AA33-0AA0**

© Siemens 2026

Order overview

Pre-assembled OCC cables MOTION-CONNECT 500 and 800PLUS

Cross-section mm²	Connector size	For SIMOTICS S motor 1FK2	1FT2	1FS2	MOTION-CONNECT 500 and 800PLUS OCC motor connection and extension cables incl. shield clamp Article No.
0.38	M12	1FK2102, 1FK2.03-..G	1FT2102, 1FT2.03-..G	–	**6FX ■ 0 ■ 2-8Q ■ 04-1 ■■■**
0.84	M17	1FK2103-..H, 1FK2203-..K, 1FK2.04, 1FK2.05	1FT2103-..H, 1FT2203-..K, 1FT2.04, 1FT2.05	1FS2104, 1FS2105	**6FX ■ 0 ■ 2-8Q ■ 08-1 ■■■**
1.5	M23	1FK2.06, 1FK2208, 1FK2210	1FT2.06, 1FT2.08, 1FT2210	1FS2106, 1FS2208	**6FX ■ 0 ■ 2-8Q ■ 11-1 ■■■**
2.5 [1]	M23	1FK2.06, 1FK2208, 1FK2210	1FT2.06, 1FT2.08, 1FT2210	–	**6FX ■ 0 ■ 2-8Q ■ 21-1 ■■■**

Article No. supplement				
Type of cable				
• MOTION-CONNECT 500 – for predominantly fixed routing	**5**			
• MOTION-CONNECT 800PLUS – for use with cable carriers	**8**			
Type of assembly				
• Completely pre-assembled		**0**		
• Connector for the converter side enclosed [2]		**1**		
Type of cable				
• Motor connection cable			**N**	
• Extension cable			**E**	
Length code				
See table "Length code for pre-assembled cables (max. 50 m (164 ft))"				**■■■**

Pre-assembled OCC cables MOTION-CONNECT 400

Cross-section mm²	Connector size	For SIMOTICS S motor 1FS2	MOTION-CONNECT 400 OCC cables incl. shield clamp Article No.
0.84	M17	1FS2104, 1FS2105	**6FX40 ■ 2-8QN08-1 ■■■**
1.5	M23	1FS2106, 1FS2208	**6FX40 ■ 2-8QN11-1 ■■■**

Article No. supplement			
Type of assembly			
• Completely pre-assembled	**0**		
• Converter-side Siemens IX signal connector enclosed	**1**		
Length code			
See table "Length code for pre-assembled cables (max. 50 m (164 ft))"			**■■■**

Length code for pre-assembled cables (max. 50 m (164 ft))

Description	Article No. supplement 6FX.0.2-8Q.0.-1 ■■■		
MOTION-CONNECT cable			
0 m (0 ft)	**A**		
10 m (32.8 ft)	**B**		
20 m (65.6 ft)	**C**		
30 m (98.4 ft)	**D**		
40 m (131 ft)	**E**		
50 m (164 ft)	**F**		
0 m (0 ft)		**A**	
1 m (3.28 ft)		**B**	
2 m (6.56 ft)		**C**	
3 m (9.84 ft)		**D**	
4 m (13.1 ft)		**E**	
5 m (16.4 ft)		**F**	
6 m (19.7 ft)		**G**	
7 m (23.0 ft)		**H**	
8 m (26.2 ft)		**J**	
9 m (29.5 ft)		**K**	
0 m (0 ft)			**0**
0.1 m (0.33 ft)			**1**
0.2 m (0.66 ft)			**2**
0.3 m (0.98 ft)			**3**
0.4 m (1.31 ft)			**4**
0.5 m (1.64 ft)			**5**
0.6 m (1.97 ft)			**6**
0.7 m (23.0 ft)			**7**
0.8 m (2.62 ft)			**8**

The maximum permissible cable length must be observed.

[1] For increased requirement regarding routing type and ambient temperature. See tables on page 4/4.

[2] For the extension cable (10th position of the Article No. "**E**"), special tools for assembling are required. For more information, refer to the installation instructions.

© Siemens 2026

Order overview

OCC components for customer assembly

Description	Cross-section	For SIMOTICS S motor			OCC component
	mm^2	1FK2	1FT2	1FS2	Article No.
Siemens IX signal connector on the converter side	–	–	–	–	**6FX2003-0DE01**
Shield clamp (Packing unit: 10 items)					
• For pre-assembled cables with M12 and M17 plugs	0.38 and 0.84	–	–	–	**6FX2003-7EX10**
• For pre-assembled cables with M23 plugs	1.5 and 2.5	–	–	–	**6FX2003-7EX11**
SPEED-CONNECT plug					
• M12	0.38	1FK2102, 1FK2.03-..G	1FT2102, 1FT2.03-..G	–	**6FX2003-0L■64**
• M17	0.84	1FK2103-..H, 1FK2203-..K, 1FK2.04, 1FK2.05	1FT2103-..H, 1FT2203-..K, 1FT2.04, 1FT2.05	1FS2104, 1FS2105	**6FX2003-0L■54**
• M23	1.5 and 2.5	1FK2.06, 1FK2208, 1FK2210	1FT2.06, 1FT2.08, 1FT2210	1FS2106, 1FS2208	**6FX2003-0L■34**

Article No. supplement	
• Motor-side plug	**U**
• Plug with male thread for extension cable	**A**

Sold by the meter OCC cables MOTION-CONNECT

Cross-section	For SIMOTICS S motor		MOTION-CONNECT 500 and 800PLUS sold by the meter OCC cables
mm^2	1FK2	1FT2	Article No.
0.38	1FK2102, 1FK2.03-..G	1FT2102, 1FT2.03-..G	**6FX■ 008-1BE04-■■A0**
0.84	1FK2103-..H, 1FK2203-..K, 1FK2.04, 1FK2.05	1FT2103-..H, 1FT2203-..K, 1FT2.04, 1FT2.05	**6FX■ 008-1BE08-■■A0**
1.5	1FK2.06, 1FK2208, 1FK2210	1FT2.06, 1FT2.08, 1FT2210	**6FX■ 008-1BE11-■■A0**
2.5 [1]	1FK2.06, 1FK2208, 1FK2210	1FT2.06, 1FT2.08, 1FT2210	**6FX■ 008-1BE21-■■A0**

Article No. supplement	
Type of cable	
• MOTION-CONNECT 500 for predominantly fixed routing	**5**
• MOTION-CONNECT 800PLUS for use with cable carriers	**8**
Length code	
See table "Length code for cables sold by the meter (max. 500 m (1640 ft))"	**■■**

Cross-section	For SIMOTICS S motor	MOTION-CONNECT 400 sold by the meter OCC cables
mm^2	1FS2	Article No.
0.84	1FS2104, 1FS2105	**6FX4008-1BE08-■■A0**
1.5	1FS2106, 1FS2208	**6FX4008-1BE11-■■A0**

Article No. supplement	
Length code	
See table "Length code for cables sold by the meter (max. 500 m (1640 ft))"	**■■**

Length code for cables sold by the meter (max. 500 m (1640 ft))

Description	Article No. supplement	
MOTION-CONNECT cable	**6FX . 008-1BE . . -■■A0**	
50 m (164 ft)	**1**	**F**
100 m (328 ft)	**2**	**A**
200 m (656 ft)	**3**	**A**
300 m (984 ft)	**4**	**A**
400 m (1312 ft)	**5**	**A**
500 m (1640 ft)	**6**	**A**

The maximum permissible cable length must be observed.

[1] For increased requirement regarding routing type and ambient temperature. See tables on page 4/4.

© Siemens 2026

Order overview

Pre-assembled MOTION-CONNECT DRIVE-CLiQ signal cables

Description	Length, max. [1] m (ft)	D_{max} mm (in)	Converter side connector/degree of protection	Encoder side connector/degree of protection	Article No. (Length code see table)
Basic cable between encoder and SINAMICS S210 (6SL5...) converter					
Pre-assembled MOTION-CONNECT 500 DRIVE-CLiQ signal cable for predominantly fixed routing with 8-pole M12 socket on the encoder side and Siemens IX pre-assembled signal connector for the converter side (shield clamp included in the scope of delivery)	100 (328)	7.1 (0.28)	Siemens IX/IP20	M12/IP67	**6FX5002-2DX30- ■■■ 0**
Pre-assembled MOTION-CONNECT 800PLUS DRIVE-CLiQ signal cable for use with cable carriers with 8-pole M12 socket on the encoder side and Siemens IX pre-assembled signal connector for the converter side (shield clamp included in the scope of delivery)	75 (246)	7.1 (0.28)	Siemens IX/IP20	M12/IP67	**6FX8002-2DX30- 1 ■■ 0**
Extension for all cables with 8-pole M12 connection					
Pre-assembled MOTION-CONNECT 500 DRIVE-CLiQ extension cable for predominantly fixed routing with 8-pole M12 connection	30 (98.4)	7.1 (0.28)	M12/IP67	M12/IP67	**6FX5002-2DC34- 1 ■■ 0**
Pre-assembled MOTION-CONNECT 800PLUS DRIVE-CLiQ extension cable for use with cable carriers with 8-pole M12 connection	30 (98.4)	7.1 (0.28)	M12/IP67	M12/IP67	**6FX8002-2DC34- 1 ■■ 0**

Length code for pre-assembled MOTION-CONNECT DRIVE-CLiQ signal cables

Description	Article No. supplement **6FX . 002-2D . 3 . - ■■■ 0**			
Pre-assembled MOTION-CONNECT DRIVE-CLiQ signal cables				
0 m (0 ft)	**1**			
100 m (328 ft)	**2**			
0 m (0 ft)		**A**		
10 m (32.8 ft)		**B**		
20 m (65.6 ft)		**C**		
30 m (98.4 ft)		**D**		
40 m (131 ft)		**E**		
50 m (164 ft)		**F**		
60 m (197 ft)		**G**		
70 m (230 ft)		**H**		
80 m (262 ft)		**J**		
90 m (295 ft)		**K**		
0 m (0 ft)			**A**	
1 m (3.28 ft)			**B**	
2 m (6.56 ft)			**C**	
3 m (9.84 ft)			**D**	
4 m (13.1 ft)			**E**	
5 m (16.4 ft)			**F**	
6 m (19.7 ft)			**G**	
7 m (23.0 ft)			**H**	
8 m (26.2 ft)			**J**	
9 m (29.5 ft)			**K**	

Control cabinet bushing

Description	Article No.
Mounting flange for cabinet bushing	
• For connector size M12	**6FX2003-7JX00**
• For connector size M17	**6FX2003-7HX00**
• For connector size M23	**6FX2003-7BX00**

Recommended SIMATIC S7 controller

More information about SIMATIC S7-1200 G2, SIMATIC S7-1500 and SIMATIC S7-1500 T-CPU controllers is available in Catalog ST 70 and on the internet at
www.siemens.com/simatic-s7-1200
www.siemens.com/simatic-s7-1500

[1] To the meter up to 20 m (65.6 ft), beyond that in steps of 5 m (16.4 ft) up to the maximum length.