

# SINAMICS G120C compact inverters

## 0.55 kW to 18.5 kW (0.75 hp to 25 hp)

Line-side components  
Line reactors

### Overview



Line reactor for SINAMICS G120C, frame size FSB

Line reactors are used to smooth voltage peaks or to bridge commutating dips. Line reactors also reduce the effects of harmonics on the inverter and the line supply.

If the ratio of the rated inverter power to the line supply short-circuit power is less than 1 %, then it is recommended to use a line reactor to reduce the current peaks.

### Selection and ordering data

Rated power		SINAMICS G120C		Line reactor
kW	hp	Type 6SL3210-...	Frame size	Order No.
<b>Line voltage 380 ... 480 V 3 AC</b>				
0.55	0.75	1KE11-8..1	FSA	<b>6SL3203-OCE13-2AA0</b>
0.75	1	1KE12-3..1		
1.1	1.5	1KE13-2..1		
1.5	2	1KE14-3..1	FSA	<b>6SL3203-OCE21-0AA0</b>
2.2	3	1KE15-8..1		
3	4	1KE17-5..1		
4	5	1KE18-8..1		
5.5	7.5	1KE21-3..1	FSB	<b>6SL3203-OCE21-8AA0</b>
7.5	10	1KE21-7..1		
11	15	1KE22-6..1	FSC	<b>6SL3203-OCE23-8AA0</b>
15	20	1KE23-2..1		
18.5	25	1KE23-8..1		

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### Technical specifications

Line voltage 380 ... 480 V 3 AC		Line reactor			
		6SL3203-OCE13-2AA0	6SL3203-OCE21-0AA0	6SL3203-OCE21-8AA0	6SL3203-OCE23-8AA0
<b>Rated current</b>	A	4	11.3	22.3	47
<b>Power loss</b> at 50/60 Hz	W	23/26	36/40	53/59	88/97
<b>Line supply/load connection</b> 1L1, 1L2, 1L3 2L1, 2L2, 2L3		Screw-type terminals	Screw-type terminals	Screw-type terminals	Screw-type terminals
• Conductor cross-section	mm <sup>2</sup>	4	4	10	16
<b>PE connection</b>		M4 × 8; U washer; spring lock washer	M4 × 8; U washer; spring lock washer	M5 × 10; U washer; spring lock washer	M5 × 10; U washer; spring lock washer
<b>Degree of protection</b>		Control cabinet built-in unit IP20	Control cabinet built-in unit IP20	Control cabinet built-in unit IP20	Control cabinet built-in unit IP20
<b>Dimensions</b>					
• Width	mm (in)	125 (4.92)	125 (4.92)	125 (4.92)	190 (7.48)
• Height	mm (in)	120 (4.72)	140 (5.51)	145 (5.71)	220 (8.66)
• Depth	mm (in)	71 (2.80)	71 (2.80)	91 (3.58)	91 (3.58)
<b>Weight, approx.</b>	kg (lb)	1.1 (2.4)	2.1 (4.6)	2.95 (6.5)	7.8 (17.2)
<b>Suitable for SINAMICS G120C</b>	Type	6SL3210-1KE11-8..1 6SL3210-1KE12-3..1 6SL3210-1KE13-2..1	6SL3210-1KE14-3..1 6SL3210-1KE15-8..1 6SL3210-1KE17-5..1 6SL3210-1KE18-8..1	6SL3210-1KE21-3..1 6SL3210-1KE21-7..1	6SL3210-1KE22-6..1 6SL3210-1KE23-2..1 6SL3210-1KE23-8..1
• Frame size		FSA	FSA	FSB	FSC