

SINAMICS S120

Line Modules and line-side components

Smart Line Modules in chassis format Line reactors

Overview



Line reactors reduce harmonic currents on the supply system and limit commutating dips in Smart Line Modules. The associated line reactor is required for operating Smart Line Modules.

Selection and ordering data

Infeed power of the Smart Line Module kW (HP)	Suitable for Smart Line Module in chassis format	Line reactor Order No.
Line voltage 380 ... 480 V 3 AC		
250 (400)	6SL3330-6TE35-5AA0	6SL3000-0EE36-2AA0
355 (500)	6SL3330-6TE37-3AA0	6SL3000-0EE36-2AA0
500 (700)	6SL3330-6TE41-1AA0	6SL3000-0EE38-8AA0
630 (800)	6SL3330-6TE41-3AA0	6SL3000-0EE41-4AA0
800 (1000)	6SL3330-6TE41-7AA0	6SL3000-0EE41-4AA0
Line voltage 500 ... 690 V 3 AC		
450	6SL3330-6TG35-5AA0	6SL3000-0EH34-7AA0
710	6SL3330-6TG38-8AA0	6SL3000-0EH37-6AA0
1000	6SL3330-6TG41-2AA0	6SL3000-0EH41-4AA0
1400	6SL3330-6TG41-7AA0	6SL3000-0EH41-4AA0

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Line reactors

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Technical specifications

Line voltage 380 ... 480 V 3 AC		Line reactor		
		6SL3000-0EE36-2AA0	6SL3000-0EE38-8AA0	6SL3000-0EE41-4AA0
Thermal current $I_{th \max}$	A	615	885	1430
Power loss at 50/60 Hz	kW	0.5/0.56	0.725/0.81	0.925/1.08
Line/load connection		Flat connector for M10 screw	Flat connector for M10 screw	Flat connector for M10 screw
Degree of protection		IP00	IP00	IP00
Dimensions				
• Width	mm (in)	280 (11.02)	368 (14.49)	544 (21.42)
• Height	mm (in)	264 (10.39)	370 (14.57)	386 (15.20)
• Depth	mm (in)	203 (7.99)	254 (10.00)	232 (9.13)
Weight, approx.	kg (lb)	57 (126)	85.5 (189)	220 (485)
Approvals		On request	On request	On request
Suitable for Smart Line Module in chassis format	Type (rated infeed power)	6SL3330-6TE35-5AA0 (250 kW) 6SL3330-6TE37-3AA0 (355 kW)	6SL3330-6TE41-1AA0 (500 kW)	6SL3330-6TE41-3AA0 (630 kW) 6SL3330-6TE41-7AA0 (800 kW)

Line voltage 500 ... 690 V 3 AC		Line reactor		
		6SL3000-0EH34-7AA0	6SL3000-0EH37-6AA0	6SL3000-0EH41-4AA0
Thermal current $I_{th \max}$	A	465	760	1430
Power loss at 50/60 Hz	kW	0.72/0.82	0.84/0.95	1.68/1.85
Line/load connection		Flat connector for M10 screw	Flat connector for M10 screw	Flat connector for M10 screw
Degree of protection		IP00	IP00	IP00
Dimensions				
• Width	mm (in)	330 (12.99)	370 (14.57)	655 (25.79)
• Height	mm (in)	318 (12.52)	376 (14.80)	383 (15.08)
• Depth	mm (in)	200 (7.87)	281 (11.06)	288 (11.34)
Weight, approx.	kg (lb)	58 (128)	145 (320)	239 (527.00)
Approvals ¹⁾		cULus available soon	cULus available soon	cULus available soon
Suitable for Smart Line Module in chassis format	Type (rated infeed power)	6SL3330-6TG35-5AA0 (450 kW)	6SL3330-6TG38-8AA0 (710 kW)	6SL3330-6TG41-2AA0 (1000 kW) 6SL3330-6TG41-7AA0 (1400 kW)

¹⁾ For line voltages up to 600 V 3 AC.