

SINAMICS S120 drive system

SINAMICS S120 in booksize format

Line Modules > Smart Line Modules > Line filters

Overview



Line filter

In plants with strict EMC requirements, line filters work together with line reactors to restrict the conducted interference emanating from the Power Modules to the limit values of Class A1 as defined in EN 55011 and Category C2 as defined in EN 61800-3.

Line filters are suitable only for direct connection to TN systems. The use of other makes of line filter can lead to malfunctions or irreparable damage to equipment.

Selection and ordering data

Suitable for Smart Line Module		SINAMICS line filter	
Rated power Smart Line Module	Booksize format Internal air cooling External air cooling	Rated current	Article No.
kW	Type	A	
5	6SL3130-6AE15-0AB1 6SL3131-6AE15-0AA1	12	6SL3000-0HE15-0AA0
10	6SL3130-6AE21-0AB1 6SL3131-6AE21-0AA1	25	6SL3000-0HE21-0AA0
16	6SL3130-6TE21-6AA4 6SL3131-6TE21-6AA3	36	6SL3000-0BE21-6DA0
36	6SL3130-6TE23-6AA3 6SL3131-6TE23-6AA3	74	6SL3000-0BE23-6DA1
55	6SL3130-6TE25-5AA3 6SL3131-6TE25-5AA3	105	6SL3000-0BE25-5DA0

Technical specifications

Article No.		6SL3000-0HE15-0AA0	6SL3000-0HE21-0AA0	6SL3000-0BE21-6DA0	6SL3000-0BE23-6DA1	6SL3000-0BE25-5DA0
Product brand name		SINAMICS	SINAMICS	SINAMICS	SINAMICS	SINAMICS
Product designation		Line filter	Line filter	Line filter	Line filter	Line filter
Line voltage 380 ... 480 V 3 AC						
Rated current	A	12	25	36	74	105
Power loss	W	20	20	16	26	43
Line/load connection L1, L2, L3/U, V, W	mm ²	Screw-type terminals	Screw-type terminals	Screw-type terminals	Screw-type terminals	Screw-type terminals
• Conductor cross-section		10	10	10	35	50
PE connection		M6 screw stud according to DIN 46234	M6 screw stud according to DIN 46234	M6 screw stud according to DIN 46234	M6 screw stud according to DIN 46234	M8 screw stud according to DIN 46234
Degree of protection		IP20	IP20	IP20	IP20	IP20
Width	mm	60	60	50	75	100
Height	mm	285	285	429	433	466
Depth	mm	122	122	226	226	226
Net weight	kg	2.1	2.3	5.0	7.5	11.5
Certificate of suitability		cURus	cURus	cURus	cURus	cURus