

External EMC filters for unfiltered Power Modules SINAMICS G120

This FAQ is valid for the unfiltered Power Modules PM240-2, PM240-2 PT, PM240P-2 and G120C.

With the EMC filters listed in the following table, you can comply with EMC class C3 according to EN/IEC 61800-3 when installed correctly on the line side.

PM240-2	PM240P-2	G120C	PM240-2 PT	Leistung (LO) [kW]	EMV - Filter
6SL3210-...	6SL3210-...	6SL3210-...	6SL3211-...		
Line supply 3 AC 200 V ... 240 V					
...1PC24-2UL0				11	6SL3203-0BE27-5BA0
...1PC25-4UL0				15	
...1PC26-8UL0			...1PC26-8UL0	18,5	
...1PC28-0UL0				22	6SL3203-0BE31-1BA0
...1PC31-1UL0			...1PC31-1UL0	30	
...1PC31-3UL0				37	6SL3203-0BE31-8BA0
...1PC31-6UL0				45	
...1PC31-8UL0			...1PC31-8UL0	55	
Line supply 3 AC 380 V ... 480 V					
...1PE23-8UL0	...1RE23-8UL0			18,5	6SL3203-0BE27-5BA0
...1PE24-5UL0	...1RE24-5UL0	...1KE24-4UF1		22	
...1PE26-0UL0	...1RE26-0UL0	...1KE26-0UF1		30	
...1PE27-5UL0	...1RE27-5UL0	...1KE27-0UF1	...1PE27-5UL0	37	6SL3203-0BE31-1BA0
...1PE28-8UL0	...1RE28-8UL0	...1KE28-4UF1		45	
...1PE31-1UL0	...1RE31-1UL0	...1KE31-1UF1	...1PE31-1UL0	55	6SL3203-0BE31-8BA0
...1PE31-5UL0	...1RE31-5UL0	...1KE31-4UF1		75	
...1PE31-8UL0	...1RE31-8UL0	...1KE31-7UF1		90	6SL3000-0BE32-5AA0
...1PE32-1UL0	...1RE32-1UL0	...1KE32-1UF1		110	
...1PE32-5UL0	...1RE32-5UL0	...1KE32-4UF1	...1PE32-5UL0	132	
Line supply 3 AC 500 V ... 690 V					
...1PH21-4UL0	...1RH21-4UL0			11	6SL3000-0BG32-5AA0 ¹⁾
...1PH22-0UL0	...1RH22-0UL0			15	
...1PH22-3UL0	...1RH22-3UL0			18,5	
...1PH22-7UL0	...1RH22-7UL0			22	
...1PH23-5UL0	...1RH23-5UL0			30	
...1PH24-2UL0	...1RH24-2UL0			37	
...1PH25-2UL0	...1RH25-2UL0			45	
...1PH26-2UL0	...1RH26-2UL0			55	
...1PH28-0UL0	...1RH28-0UL0			75	
...1PH31-0UL0	...1RH31-0UL0			90	
...1PH31-2UL0	...1RH31-2UL0			110	
...1PH31-4UL0	...1RH31-4UL0			132	

1) For power modules <75 kW, two EMC cores of the type "Magnetec M-378-03ED core" are required for the motor cable in addition to the filter.