

PM340	6SL3210-	1SE16-0UA0	1SE17-7UA0	1SE21-0UA0
PM340 with integrated line filter	6SL3210-	1SE16-0AA0	1SE17-7AA0	1SE21-0AA0
Max. cable length to braking resistor	m	15	15	15
Line supply connection L1, L2, L3		Screw terminals for cable cross-sections 1.0 ... 6 mm ²		
Motor connection U2, V2, W2				
DC link connection, connection for braking resistor DCP/R1, DCN, R2				
PE connection		On housing with M5 screw		
Max. motor cable length³⁾ shielded/unshielded	m	50 / 75		
Degree of protection		IP20 or IPXXB		
Weight	kg	4,0	4,0	4,0

1) Rated power of a typical standard induction motor at 400 V 3 AC

2) The input current depends on the motor load and line impedance. The input currents apply for a load with the type rating (based on I_{rated}) for a line impedance corresponding to $u_k = 1\%$.

3) Max. motor cable length 25 m (shielded) for PM340 Power Modules with integrated line filter to maintain the limit values of EN 61800-3 Category C2.

Table 4- 26 Technical data of the PM340, FSC (380 V ... 480 V 3 AC $\pm 10\%$)

PM340	6SL3210-	1SE21-8UA0	1SE22-5UA0	1SE23-2UA0
PM340 with integrated line filter	6SL3210-	1SE21-8AA0	1SE22-5AA0	1SE23-2AA0
Output current				
Rated current I_n	A	18	25	32
Base-load current I_H	A	14	21	27
for S6 operation (40 %) I_{S6}	A	19,6	27,8	37,1
Peak current I_{max}	A	26,4	38	52
Type rating¹⁾				
on basis of I_n	kW	7,5	11	15
on basis of I_H	kW	5,5	7,5	11
Rated pulse frequency	kHz	4	4	4
Power loss	kW	0,24	0,30	0,40
Cooling air requirement	m ³ /s	0,038	0,038	0,038
Sound pressure level L_{pA} (1 m)	dB	< 60	< 60	< 60
24 V DC supply for the Control Unit	A	1,0	1,0	1,0
Rated input current²⁾ with/without integrated line reactor	A	17,1 / 23,1	24,6 / 32,6	33 / 39
Class J UL fuses				
Rated current	A	25	35	45
Short-circuit current rating SCCR	kA	65	65	65

4.3 Power Modules Blocksize (PM340)

PM340	6SL3210-	1SE21-8UA0	1SE22-5UA0	1SE23-2UA0
PM340 with integrated line filter	6SL3210-	1SE21-8AA0	1SE22-5AA0	1SE23-2AA0
NH fuses IEC 60947 Rated current	A	3NA3810 25	3NA3814 35	3NA3817 40
Circuit breaker type designation IEC 60947 Rated current	A	3RV1031-4EA10 22 ... 32	3RV1031-4FA10 28 ... 40	3RV1031-4HA10 40 ... 50
Resistance value ext. braking resistor	Ω	> 56	> 56	> 56
Max. cable length to braking resistor	m	15	15	15
Line supply connection L1, L2, L3		Screw terminals for cable cross-section 2.5 ... 10 mm ²		
Motor connection U2, V2, W2				
DC link connection, connection for braking resistor DCP/R1, DCN, R2				
PE connection		On housing with M5 screw		
Max. motor cable length³⁾ shielded/unshielded	m	50 / 75		
Degree of protection		IP20 or IPXXB		
Weight	kg	6,5	6,5	6,5

- 1) Rated power of a typical standard induction motor at 400 V 3 AC
- 2) The input current depends on the motor load and line impedance. The input currents apply for a load with the type rating (based on I_{rated}) for a line impedance corresponding to $u_k = 1\%$.
- 3) Max. motor cable length 25 m (shielded) for PM340 Power Modules with integrated line filter to maintain the limit values of EN 61800-3 Category C2.

Table 4- 27 Technical data PM340, FSD (3 AC 380 V to 480 V $\pm 10\%$)

PM340	6SL3210-	1SE23-8UA0	1SE24-5UA0	1SE26-0UA0
PM340 with integrated line filter	6SL3210-	1SE23-8AA0	1SE24-5AA0	1SE26-0AA0
Output current Rated current I_n Base-load current I_H for S6 operation (40 %) I_{S6} Peak current I_{max}	A A A A	38 33 49 64	45 40 58 76	60 48 78 90
Type rating¹⁾ on basis of I_n on basis of I_H	kW kW	18,5 15	22 18,5	30 22
Rated pulse frequency	kHz	4	4	4
Power loss	kW	0,38	0,51	0,69
Cooling air requirement	m ³ /s	0,022	0,022	0,039
Sound pressure level L_{pA} (1 m)	dB(A)	< 60	< 60	< 60