Table 4- 28 Technical data PM340, FSE and FSF (3 AC 380 V to 480 V ±10 %)

PM340	**6SL3210-**	**1SE27-5UA0**	**1SE31-0UA0**	**1SE31-1UA0**	**1SE31-5UA0**	**1SE31-8UA0**
PM340 with integrated line filter	**6SL3210-**	**1SE27-5AA0**	**1SE31-0AA0**	**1SE31-1AA0**	**1SE31-5AA0**	**1SE31-8AA0**
Frame size		FSE	FSE	FSF	FSF	FSF
Output current						
Rated current I_n	A	75	90	110	145	178
Base-load current I_H	A	65	80	95	115	155
for S6 operation (40 %) I_{s6}	A	98	117	143	188	231
Peak current I_{max}	A	124	150	180	220	290
Type rating [1]						
on basis of I_n	kW	37	45	55	75	90
on basis of I_H	kW	30	37	45	55	75
Rated pulse frequency	kHz	4	4	4	4	4
Power loss	kW	0,99	1,21	1,42	1,93	2,31
Cooling air requirement	m^3/s	0,022	0,039	0,094	0,094	0,117
Sound pressure level L_{pA} (1 m)	dB	< 60	62	< 60	< 60	65
24 V DC supply for the Control Unit	A	1,0	1,0	1,0	1,0	1,0
Rated input current [2] with/without integrated line reactor	A	78 / 88	94 / 105	115 / 129	151 / 168	186 / 204
UL fuses		3NE1021-0	3NE1022-0	3NE1224-0	3NE1225-0	3NE1227-0
Class J						
Rated current	A	100	125	150	200	250
Short-circuit current rating SCCR	kA	65	65	65	65	65
NH fuses		3NA3830	3NA3832	3NA3836	3NA3140	3NA3144
IEC 60947						
Rated current	A	100	125	160	200	250
Circuit breaker type designation		3VL1712-1DD33-0AA0	3VL1716-1DD33-0AA0	3VL3720-1DC36-0AA0	3VL3720-1DC36-0AA0	3VL3725-1DC36-0AA0
IEC 60947						
Rated current	A	100 … 125	125 … 160	160 … 200	160 … 200	200 … 250
Resistance value of the external braking resistor	Ω	> 15		> 8,2		
Max. cable length to braking resistor	m	15				
Line supply connection L1, L2, L3		Stud M6, connectable cable cross-sections 10 ... 50 mm^2		Stud M8, max. connectable cable cross-section 120 mm^2		
Motor connection U2, V2, W2						
DC link connection, connection for braking resistor DCP/R1, DCN, R2						

PM340	**6SL3210-**	**1SE27-5UA0**	**1SE31-0UA0**	**1SE31-1UA0**	**1SE31-5UA0**	**1SE31-8UA0**
PM340 with integrated line filter	**6SL3210-**	**1SE27-5AA0**	**1SE31-0AA0**	**1SE31-1AA0**	**1SE31-5AA0**	**1SE31-8AA0**
PE connection		At the housing with M6 screw		At the housing with M8 screw		
Max. motor cable length[3] shielded/unshielded	m	70 / 100				
Degree of protection		IP20 or IPXXB				
Height PM340 with/without integrated line filter	mm (inch)	498,3 (19.62) / 633 (24.92)		634 (24.96) / 934 (36.77)		
Weight with/without integrated line filter	kg	19,8 / 27,1		50,7 / 66,7		

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.