

Overview (continued)

SINAMICS G120P Power Modules for use in water/wastewater applications and in industrial environments, with degree of protection IP20, 380 to 480 V 3 AC

SINAMICS G120P		Power Module	Recommended line-side overcurrent protection devices		DC link components	
Rated power			IEC-compliant			
				Fuse	Circuit breaker	Braking Module / braking resistor
400 V kW	460 V hp		Type	Type 3NE1 (9A) Article No.	Article No.	Article No.
22	25	6SL3210-1RE24-5 . L0	3NE1820-0	1)	—	
30	30	6SL3210-1RE26-0 . L0	3NE1021-0	1)	—	
37	40	6SL3210-1RE27-5 . L0	3NE1021-0	1)	—	
45	50	6SL3210-1RE28-8 . L0	3NE1022-0	1)	—	
55	60	6SL3210-1RE31-1 . L0	3NE1224-0	1)	—	
75	75	6SL3210-1RE31-5 . L0	3NE1225-0	1)	—	
90	100	6SL3210-1RE31-8 . L0	3NE1227-0	1)	—	
110	125	6SL3210-1RE32-1 . L0	3NE1230-0	1)	—	
132	150	6SL3210-1RE32-5 . L0	3NE1331-0	1)	—	
160	200	6SL3310-1PE33-0AA0	3NE1333-2	—	6SL3760-1AE32-6AA0 6SE3760-5FS87-2DC0	
200	250	6SL3310-1PE33-7AA0	3NE1334-2	—	6SL3760-1AE32-6AA0 6SE3760-5FS87-2DC0	
250	300	6SL3310-1PE34-6AA0	3NE1435-2	—	6SL3760-1AE32-6AA0 6SE3760-5FS87-2DC0	
315	400	6SL3310-1PE35-8AA0	3NE1437-2	—	6SL3760-1AE32-6AA0 6SE3760-5FS87-2DC0	
355	450	6SL3310-1PE36-6AA0	3NE1438-2	—	6SL3760-1AE32-6AA0 6SE3760-5FS87-2DC0	
400	500	6SL3310-1PE37-4AA0	3NE1448-2	—	6SL3760-1AE32-6AA0 6SE3760-5FS87-2DC0	
450	500	6SL3310-1PE38-4AA0	3NE1334-3 (2 units)	—	6SL3760-1AE32-6AA0 6SE3760-5FS87-2DC0	
500	600	6SL3310-1PE38-8AA0	3NE1435-3 (2 units)	—	6SL3760-1AE32-6AA0 6SE3760-5FS87-2DC0	
560	700	6SL3310-1PE41-0AA0	3NE1436-3 (2 units)	—	6SL3760-1AE32-6AA0 6SE3760-5FS87-2DC0	

SINAMICS G120P					
Rated power		Power Module	Load-side power components		
400 V	460 V		Output reactor	dv/dt filter plus VPL	dv/dt filter compact plus VPL
kW	hp	Type	Article No.	Article No.	Article No.
22	25	6SL3210-1RE24-5 . L0	6SE6400-3TC07-5ED0	—	—
30	30	6SL3210-1RE26-0 . L0	6SE6400-3TC07-5ED0	—	—
37	40	6SL3210-1RE27-5 . L0	6SE6400-3TC07-5ED0	—	—
45	50	6SL3210-1RE28-8 . L0	6SE6400-3TC14-5FD0	—	—
55	60	6SL3210-1RE31-1 . L0	6SE6400-3TC14-5FD0	—	—
75	75	6SL3210-1RE31-5 . L0	6SE6400-3TC14-5FD0	—	—
90	100	6SL3210-1RE31-8 . L0	6SE6400-3TC14-5FD0	—	—
110	125	6SL3210-1RE32-1 . L0	6SL3000-2BE32-1AA0	—	—
132	150	6SL3210-1RE32-5 . L0	6SL3000-2BE32-6AA0	—	—
160	200	6SL3310-1PE33-0AA0	6SL3000-2BE33-2AA0	6SL3000-2DE35-0AA0	6SL3000-2DE35-0EA0
200	250	6SL3310-1PE33-7AA0	6SL3000-2BE33-8AA0	6SL3000-2DE35-0AA0	6SL3000-2DE35-0EA0
250	300	6SL3310-1PE34-6AA0	6SL3000-2BE35-0AA0	6SL3000-2DE35-0AA0	6SL3000-2DE35-0EA0
315	400	6SL3310-1PE35-8AA0	6SL3000-2AE36-1AA0	6SL3000-2DE38-4AA0	6SL3000-2DE38-4EA0
355	450	6SL3310-1PE36-6AA0	6SL3000-2AE38-4AA0	6SL3000-2DE38-4AA0	6SL3000-2DE38-4EA0
400	500	6SL3310-1PE37-4AA0	6SL3000-2AE38-4AA0	6SL3000-2DE38-4AA0	6SL3000-2DE38-4EA0
450	500	6SL3310-1PE38-4AA0	6SL3000-2AE41-0AA0	6SL3000-2DE41-4AA0	6SL3000-2DE41-4EA0
500	600	6SL3310-1PE38-8AA0	6SL3000-2AE41-0AA0	6SL3000-2DE41-4AA0	6SL3000-2DE41-4EA0
560	700	6SL3310-1PE41-0AA0	6SL3000-2AE41-4AA0	6SL3000-2DE41-4AA0	6SL3000-2DE41-4EA0

1) Recommendations on further overcurrent protection devices are available at:
<https://support.industry.siemens.com/cs/document/109750825>

SINAMICS G120P built-in and wall-mounted units

PM330 Power Modules, 160 kW to 630 kW

Output reactors

Technical specifications (continued)

Line voltage 380 ... 480 V 3 AC		Output reactor	
		6SL3000-2AE41-0AA0	6SL3000-2AE41-4AA0
Rated current	A	985	1405
Power loss	kW	0.939	0.81
Connection			
• To Power Module		1 × hole for M12	2 × hole for M12
• To load		1 × hole for M12	2 × hole for M12
• PE		M10 screw	M10 screw
Cable length, max. between output reactor and motor			
• Shielded	m (ft)	300 (984)	300 (984)
• Unshielded	m (ft)	450 (1476)	450 (1476)
Dimensions			
• Width	mm (in)	410 (16.1)	460 (18.1)
• Height	mm (in)	392 (15.4)	392 (15.4)
• Depth	mm (in)	302 (11.9)	326 (12.8)
Degree of protection		IP00	IP00
Weight, approx.	kg (lb)	146 (322)	179 (395)
Suitable for PM330 Power Module	Type	6SL3310-1PE38-4AA0 6SL3310-1PE38-8AA0	6SL3310-1PE41-0AA0
• Frame size		JX	JX

Line voltage 500 ... 690 V 3 AC		Output reactor		
		6SL3000-2AH34-7AA0	6SL3000-2AH35-8AA0	6SL3000-2AH38-1AA0
Rated current	A	465	575	810
Power loss	kW	0.631	0.705	0.79
Connection				
• To Power Module		1 × hole for M12	1 × hole for M12	1 × hole for M12
• To load		1 × hole for M12	1 × hole for M12	1 × hole for M12
• PE		M8 screw	M8 screw	M8 screw
Cable length, max. between output reactor and motor				
• Shielded	m (ft)	300 (984)	300 (984)	300 (984)
• Unshielded	m (ft)	450 (1476)	450 (1476)	450 (1476)
Dimensions				
• Width	mm (in)	410 (16.1)	410 (16.1)	410 (16.1)
• Height	mm (in)	392 (15.4)	392 (15.4)	392 (15.4)
• Depth	mm (in)	279 (11.0)	279 (11.0)	279 (11.0)
Degree of protection		IP00	IP00	IP00
Weight, approx.	kg (lb)	80 (176)	80 (176)	146 (322)
Suitable for PM330 Power Module	Type	6SL3310-1PG33-7AA0 6SL3310-1PG34-0AA0	6SL3310-1PG34-5AA0	HX: 6SL3310-1PG35-2AA0 JX: 6SL3310-1PG35-8AA0 6SL3310-1PG36-5AA0 6SL3310-1PG37-2AA0
• Frame size		HX	HX	HX/JX