



Newsletter

14 Marzo 2017

2017/SINAMICS G120P/37-17

ID: 109745594

Con effetto immediato sono rilasciati come fornitura i SINAMICS G120P Power Module PM240P-2 FSD, FSE e FSF per alimentazioni 3AC 400 V e 3AC 690 V.

Caratteristiche prodotto

I Sinamics PM240P-2 FSD, FSE e FSF, entrano a far parte dell'offerta della famiglia SINAMICS G120P e sono ottimizzati per le applicazioni con pompe e ventilatori. I nuovi Power Module sono disponibili nelle alimentazioni 3AC 400 V e 3AC 690 V in una gamma di potenze da 11 kW (3AC 690 V)/22 kW (3AC 400 V) LO a 132 kW LO.

Il Sinamics PM240P-2 come successore dell'attuale PM230 (FSD, FSE e FSF) garantisce migliori prestazioni e grazie all'elevata densità di potenza, il montaggio affiancato senza declassamento e l'induttanza integrata sul DC link, un'ottimizzazione degli spazi all'interno del quadro.

Dati tecnici

3AC 400 V

Characteristics	Specification
Line voltage	3AC 380 V ... 480 V +- 10% (-20% < 1 minute)
Rated Power (LO/kW)	22 kW ... 132 kW (FSD to FSF)
Rated Output Current (A)	45 A ... 250 A (FSD to FSF)
Line Frequency	47 ... 63 Hz
Overload Capacity (LO)	1.35 x rated output current (135%) for 3 seconds plus 1.1 x rated output current (110%) for 57 seconds plus 1.0 x rated output current (100%) for 240 seconds
Overload Capacity (HO)	1.5 x rated output current (150%) for 60 seconds plus 1.0 x rated output current (100%) for 240 seconds
Degree of Protection	IP20 open type
Ambient Temperature (Without derating)	-20 °C ... 40 °C (LO) -20 °C ... 50 °C (HO)
Max Ambient Temperature (With derating)	60 °C
Safety Torque Off	SIL3

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3AC 690 V

Characteristics	Specification
Line voltage	3AC 500 V ... 690 V +-10% (-20% < 1 min)
Rated Power (LO / kW)	11 kW ... 132 kW (FSD to FSF)
Rated Output Current (A)	14 A ... 142 A (FSD to FSF)
Line Frequency	47 ... 63 Hz
Overload Capacity (LO)	1.35 x rated output current (135%) for 3 seconds plus
	1.1 x rated output current (110%) for 57 seconds plus
	1.0 x rated output current (100%) for 240 seconds
Overload Capacity (HO)	1.5 x rated output current (150%) for 60 seconds plus
	1.0 x rated output current (100%) for 240 seconds
Degree of Protection	IP20 open type
Ambient Temperature (Without derating)	-20 °C ... 40 °C (LO)
	-20 °C ... 50 °C (HO)
Max Ambient Temperature (With derating)	60 °C
Safety Torque Off	SIL3

Control Unit

I Power Module sono utilizzabili con le seguenti Control Unit, dalla versione firmware V4.7 SP6 HF1 e superiori:

- CU230P-2
- CU230P-2 BT
- CU230P-2 HVAC
- CU240E-2
- CU250S-2

Dimensioni Meccaniche

Frame size	Width (mm)	Height (mm)		Depth (mm)
		Power Module bottom shield plate		
FSD	200	472	152	237
FSE	275	551	177	237
FSF	305	708	257	357

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Codici di ordinazione

3AC 400 V

Rated Power (LO / kW)	Rated Power (HO / kW)	Rated Output Current (LO / A)	Frame Size	Article number
22	18.5	45	FSD	6SL3210-1RE24-5xL0
30	22	60	FSD	6SL3210-1RE26-0xL0
37	30	75	FSD	6SL3210-1RE27-5xL0
45	37	90	FSE	6SL3210-1RE28-8xL0
55	45	110	FSE	6SL3210-1RE31-1xL0
75	55	145	FSF	6SL3210-1RE31-5xL0
90	75	178	FSF	6SL3210-1RE31-8xL0
110	90	205	FSF	6SL3210-1RE32-1xL0
132	110	250	FSF	6SL3210-1RE32-5xL0

X:

A = Filtered

U = Unfiltered

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3AC 690 V

Rated Power (LO / kW)	Rated Power (HO / kW)	Rated Output Current (LO / A)	Frame Size	Article number
11	7.5	14	FSD	6SL3210-1RH21-4xL0
15	11	19	FSD	6SL3210-1RH22-0xL0
18.5	15	23	FSD	6SL3210-1RH22-3xL0
22	18.5	27	FSD	6SL3210-1RH22-7xL0
30	22	35	FSD	6SL3210-1RH23-5xL0
37	30	42	FSD	6SL3210-1RH24-2xL0
45	37	52	FSE	6SL3210-1RH25-2xL0
55	45	62	FSE	6SL3210-1RH26-2xL0
75	55	80	FSF	6SL3210-1RH28-0xL0
90	75	100	FSF	6SL3210-1RH31-0xL0
110	90	115	FSF	6SL3210-1RH31-2xL0
132	110	142	FSF	6SL3210-1RH31-4xL0

X:
 A = Filtered
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Il PM240P-2 è reperibile sulla seguente documentazione:

Catalogo D 35: SINAMICS G120P and SINAMICS G120P Cabinet pump, fan, compressor converters (Update)
<https://support.industry.siemens.com/cs/document/109745777/catalog-d-35%3A-sinamics-g120p-and-sinamics-g120p-cabinet-pump-fan-compressor-converters?dti=0&lc=en-VVV>