



SIPLUS G120 PM 240-2 FSC 15kW Power Module PM 240-2 unfiltered -20...+50°C with conformal coating based on 6SL3210-1PE23-3UL0 . with integrated braking chopper 380-480 V 3 AC +10/-10% 47-63 Hz Power high overload: 11kW at 200% 3s,150% 57s,100% 240s Power low overload: 15kW at 150% 3s,110% 57s,100% 240s 355x 140x 165 (HxWxD), FSC Degree of protection IP20 without Control Unit and operating unit Released as of firmware version V4.6

Figure similar

Product brand name		SIPLUS
Input current		
• with low overload / rated value	A	39.9
• with high overload / rated value	A	36
Output current		
• rated value / maximum	A	52
• without overload / rated value	A	32
• with low overload / rated value	A	32
• with high overload / rated value	A	26
Supplied active power / at rated value of output voltage		
• with low overload	kW	15
• with high overload	kW	11
Efficiency		0.97
Cooling air flow	m³/s	0.019
1 m measuring surface sound pressure level / maximum	dB	65
Type of electrical connection		

• for PE conductor • for mains supply line • of the motor		Plug-in screw terminals Plug-in screw terminals Plug-in screw terminals
Connectable conductor cross-section / for mains supply line	mm ²	6 ... 16
Connectable conductor cross-section / for motor supply line	mm ²	6 ... 16
Wire length / for motor / shielded / maximum	m	50
Power loss [W] / maximum	kW	0.37
Protection class IP		IP20
Width	mm	140
Height	mm	355
Depth	mm	165
Design of the converter		FSC
Net weight	kg	4.8
Ambient temperature / during operation / maximum	°C	55
Touch protection / acc. to EN 61800-5-1		Assuming use as prescribed
Operating resource protection class / acc. to EN 61800-5-1		Class I (with protective bonding circuit) and Class III (PELV)
Ambient temperature		
• during storage • during transport	°C °C	-25 ... +55 -40 ... +70
Ambient temperature [°F]		
• during storage • during storage / maximum / Note • during transport • during transport / maximum / Note	°F °F	-13 ... +131 Class 1K3 acc. to EN 60721-3-1 -40 ... +158 Class 2K3 according to EN 60721-3-2
Degree of pollution		2 according to EN 61800-5-1
Resistance to biologically active substances / conformity acc. to EN 60721-3-3		Yes
Resistance to biologically active substances		
• conformity acc. to EN 60721-3-3 / Note		Class 3B2 mold, fungus and dry rot spores (with the exception of fauna); Class 3B3 on request
conformity acc. to EN 60721-3-3		Yes
Resistance to chemically active substances		
• conformity acc. to EN 60721-3-3 / Note		Class 3C4 (RH < 75 %) incl. salt spray acc. to EN 60068-2-52 (severity degree 3); *
Resistance to mechanically active substances / conformity acc. to EN 60721-3-3		No
Certificate of suitability		CE / TÜV
Certificate of suitability / for CE marking		Low Voltage Directive 2014/30/EU and 2014/35/EU

Standard / for EMC / acc. to EN 61800-3		The EMC product standard EN 61800-3 does not apply directly to a frequency inverter but to a PDS (Power Drive System), which comprises the complete circuitry, motor and cables in addition to the inverter
Product component / Line filter		No
Type of voltage / of the input voltage		AC
Electrical output frequency		
• for U/f control	Hz	0 ... 650
• for vector control	Hz	0 ... 200
Pulse frequency / rated value	kHz	4
Output voltage in percent / related to the input voltage	%	0 ... 95
Type of duty cycle duration		
• with low overload		1.1x rated output current (i.e. 110 % overload) for 57 s with a cycle time of 300 s; 1.5x rated output current (i.e. 150 % overload) for 3 s with a cycle time of 300 s
• with high overload		1.5x output current rating (i.e. 150 % overload) for 57 s with a cycle time of 300 s; 2x output current rating (i.e. 200 % overload) for 3 s with a cycle time of 300 s
Type of cooling		Internal air cooling
Installation altitude / at height above sea level / without power reduction / maximum	m	1 000
Short-time withstand current (SCCR) / of the entire control cabinet / acc. to UL 508A	kA	65
Protection function		
• undervoltage protection		Yes
• Overvoltage protection		Yes
• Overload protection		Yes
• Ground fault protection		Yes
• Short-circuit protection		Yes
• Stall protection		Yes
• with blocked rotor		Yes
• for motor / Temperature monitoring		Yes
• for converter / Temperature monitoring		Yes
Shock acceleration / during operation / Note		(15x g)/11 ms
Vibration frequency / with constant deflection / during operation / acc. to EN 60068-2-6 / maximum / Note		Constant deflection 0.075 mm
Vibration frequency / with constant deflection / during operation / acc. to EN 60068-2-6	Hz	10 ... 58
Vibration frequency / with constant acceleration / during operation / acc. to EN 60068-2-6 / maximum / Note		Constant acceleration = 9.81 m/s ² (1 g)

Vibration frequency / with constant acceleration /
during operation / acc. to EN 60068-2-6

Hz

58 ... 200

Certificates/ approvals:

Further information

Information- and Downloadcenter (Catalogs, Brochures,...)

<http://www.siemens.com/industrial-controls/catalogs>

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=6AG1210-1PE23-2UL0>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=6AG1210-1PE23-2UL0>

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/6AG1210-1PE23-2UL0>

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=6AG1210-1PE23-2UL0&lang=en