

SINAMICS G120 standard inverters

0.37 kW to 250 kW (0.5 hp to 400 hp)

Control Units**Selection and ordering data**

Description	Fieldbus	Profile	Inputs Outputs	Integrated safety technology	Fail-safe digital inputs digital outputs	Control Unit Article No.
CU230P-2 series – the specialist for pumps, fans, compressors, water, buildings						
Technology functions (selection): Free function blocks (FFB), 4 × PID controller, cascade connection, hibernation mode, essential service mode, multi-zone control						
CU230P-2 HVAC	<ul style="list-style-type: none"> • USS • Modbus RTU • BACnet MS/TP • FLN P1 	–	6 DI 4 AI 3 DO 2 AO	–	–	6SL3243-0BB30-1HA3
CU230P-2 DP	• PROFIBUS DP	• PROFIdrive				6SL3243-0BB30-1PA3
CU230P-2 PN	• PROFINET	• PROFIdrive • PROFInergy				6SL3243-0BB30-1FA0
	• EtherNet/IP	–				
	- ODVA AC drive					
	- SINAMICS profile					
CU240E-2 series – for standard applications in general machinery construction, such as conveyor belts, mixers and extruders – without encoder						
Technology functions (selection): Free function blocks (FFB), 1 × PID controller, motor holding brake						
CU240E-2	<ul style="list-style-type: none"> • USS • Modbus RTU 	–	6 DI 2 AI 3 DO 2 AO	STO	1 F-DI (opt. for each 2 DI)	6SL3244-0BB12-1BA1
CU240E-2 DP	• PROFIBUS DP	• PROFIdrive • PROFIsafe				6SL3244-0BB12-1PA1
CU240E-2 PN	• PROFINET	• PROFIdrive • PROFIsafe • PROFInergy				6SL3244-0BB12-1FA0
	• EtherNet/IP	–				
	- ODVA AC drive					
	- SINAMICS profile					
CU240E-2 F	<ul style="list-style-type: none"> • USS • Modbus RTU 	–		STO, SS1, SLS, SDI	3 F-DI (opt. for each 2 DI)	6SL3244-0BB13-1BA1
CU240E-2 DP-F	• PROFIBUS DP	• PROFIdrive • PROFIsafe		STO, SS1, SLS, SSM ¹⁾ , SDI		6SL3244-0BB13-1PA1
CU240E-2 PN-F	• PROFINET	• PROFIdrive • PROFIsafe • PROFInergy				6SL3244-0BB13-1FA0
	• EtherNet/IP	–				
	- ODVA AC drive					
	- SINAMICS profile					
CU250S-2 series – for complex applications such as extruders and centrifuges – with and without encoder (basic positioner (EPos) optional)						
Technology functions (selection): Free function blocks (FFB), 1 × PID controller, motor holding brake						
CU250S-2	<ul style="list-style-type: none"> • USS • Modbus RTU 	–	11 DI 2 AI 3 DO 2 AO	STO, SBC, SS1	3 F-DI (opt. for each 2 DI)	6SL3246-0BA22-1BA0
CU250S-2 DP	• PROFIBUS DP	• PROFIdrive • PROFIsafe	4 DI/DO (DI can be used as high-speed inputs)		1 F-DO (opt. for each 2 DO)	6SL3246-0BA22-1PA0
CU250S-2 PN	• PROFINET	• PROFIdrive • PROFIsafe • PROFInergy				6SL3246-0BA22-1FA0
	• EtherNet/IP	–				
	- ODVA AC drive					
	- SINAMICS profile					
CU250S-2 CAN	• CANopen	–				6SL3246-0BA22-1CA0

1) SSM is possible only with PROFIsafe.