



SIPLUS G120 CU240E-2 DP Control Unit CU240E-2 DP  
 -20...+55 °C with conformal coating based on 6SL3244-  
 0BB12-1PA1 . E-type with Safety Integrated STO  
 PROFINET 6DI, 3DO, 2 AI, 2 AO, max. 1F-DI PTC/KTY  
 interface USB and SD/MMC interface Degree of  
 protection IP20 without Power Module

<b>Product brand name</b>		SIPLUS
<b>Product function</b>		
<ul style="list-style-type: none"> <li>• vector control with encoder</li> <li>• vector control without encoder</li> </ul>		No Yes
<b>Product function / for U/f control</b>		
<ul style="list-style-type: none"> <li>• ECO mode linear or quadratic</li> <li>• flux current control</li> <li>• linear or quadratic parameterization</li> </ul>		Yes Yes Yes
<b>Operating voltage</b>		
<ul style="list-style-type: none"> <li>• from external supply voltage</li> <li>• from power module</li> </ul>	V V	28.8 ... 20.4 24
<b>Input voltage / at analog inputs as voltage inputs</b>		
<ul style="list-style-type: none"> <li>• for signal &lt;0&gt; to &lt;1&gt;</li> <li>• for signal &lt;1&gt; to &lt;0&gt;</li> </ul>	V V	4 1.6
<b>Consumed current / maximum</b>	A	0.5
<b>AWG number / as coded connectable conductor cross section / for signal line</b>		30 ... 16
<b>Power loss [W] / maximum</b>	W	5.5
<b>Protection class IP</b>		IP20

<b>Width</b>	mm	73
<b>Height</b>	mm	199
<b>Depth</b>	mm	46
<b>Net weight</b>	kg	0.49
<b>Number of analog inputs</b>		2
• Note		The differential analog inputs can be configured as supplementary digital inputs
<b>Number of digital inputs</b>		6
• Note		Optically isolated, free reference potential (own potential group), NPN/PNP-logic selectable via wiring
<b>Number of digital inputs / with fail-safe</b>		1
• Number of digital inputs / with fail-safe / Note		Use of 2x DI Standard
<b>Number of digital outputs / as relay change-over contact</b>		2
<b>Number of digital outputs / as transistor</b>		1
<b>Number of interfaces</b>		
• acc. to RS 485		1
• acc. to PROFINET		0
<b>Protocol / is supported / PROFIBUS protocol</b>		Yes
<b>Relative humidity / maximum</b>	%	100
• Note		RH incl. condensation/frost permitted (no commissioning in bedewed state)
<b>Ambient temperature</b>		
• during operation	°C	-20 ... +55
• during storage	°C	-40 ... +70
<b>Ambient temperature [°F]</b>		
• during operation	°F	-4 ... +131
• during storage	°F	-40 ... +158
<b>Resistance to biologically active substances / conformity acc. to EN 60721-3-3</b>		Yes
<b>Resistance to biologically active substances</b>		Class 3B2 acc. to EN 60721-3-3, mold and fungal spores (except fauna)
• 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
<b>conformity acc. to EN 60721-3-3</b>		Yes
<b>Resistance to chemically active substances</b>		Class 3C4 acc. to EN 60721-3-3, including salt spray acc. to EN 60068-2-52 (severity level 3)
• conformity acc. to EN 60721-3-3 / Note		Class 3C4 (RH < 75 %) incl. salt spray acc. to EN 60068-2-52 (severity degree 3); *
<b>Resistance to mechanically active substances / conformity acc. to EN 60721-3-3</b>		No
<b>Certificate of suitability</b>		CE / TÜV
<b>Certificate of suitability / for CE marking</b>		Low Voltage Directive 2014/35/EU

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=6AG1244-0BB12-2PA1>

### **Cax online generator**

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=6AG1244-0BB12-2PA1>

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

<https://support.industry.siemens.com/cs/ww/en/ps/6AG1244-0BB12-2PA1>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=6AG1244-0BB12-2PA1&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=6AG1244-0BB12-2PA1&lang=en)