

SIPLUS S120 CONTROL UNIT CU310-2 DP -25 ... +55 DEGREES C WITH CONFORMAL COATING BASED ON 6SL3040-1LA00-0AA0 . WITH PROFIBUS INTERFACE WITHOUT COMPACTFLASH CARD



product brand name		SIPLUS
Product designation		Controller
General technical data:		
Design of the product		CU310-2 DP
Product function		
• vector control with encoder		No
• vector control without encoder		Yes
Product function / for U/f control		
• ECO mode linear or quadratic		No
• flux current control		No
• linear or quadratic parameterization		No
Operating voltage		
• from external supply voltage	V	28.8 ... 20.4
• from power module	V	24
Input voltage / at analog inputs as voltage inputs		
• for signal <0> to <1>	V	0
Consumed current / maximum	A	0.3
AWG number / as coded connectable conductor cross section / for signal line		30 ... 16

Active power loss / maximum	W	20
Protection class IP		IP20
Width	mm	73
Height	mm	191
Depth	mm	75
Net weight	kg	0.95

Inputs/ Outputs:

Type of analog input		Differential input
Number of analog inputs		1
• Note		The differential analog inputs can be configured as supplementary digital inputs
Number of digital inputs		11
• Note		According to IEC 61131-2 type 1, 5 floating digital inputs, 8 bidirectional non-floating digital inputs/outputs, 3 parameterizable failsafe digital inputs (electrically isolated) or, alternatively, 6 parameterizable digital inputs (electrically isolated)
Number of digital inputs / with fail-safe		3
• Number of digital inputs / with fail-safe / Note		optionally parameterizable as safe inputs
Number of digital outputs / as relay change-over contact		0
Number of digital outputs / as transistor		0

Communication:

Number of interfaces		
• acc. to RS 485		1
• acc. to PROFINET		0
Protocol / is supported / PROFIBUS protocol		Yes

Ambient conditions:

Relative humidity / maximum	%	100
• Note		RH, incl. condensation/frost permitted (no commissioning in bedewed state)
Ambient temperature		
• during operation	°C	-20 ... +55
• during storage	°C	-40 ... +70
Ambient temperature [°F]		
• during operation	°F	-4 ... +131
— Note		A derating of 3 K/1000 m has to be applied to the Control Units from an installation altitude of 1000 m above sea level
• during storage	°F	-40 ... +158
Resistance to biologically active substances / conformity acc. to EN 60721-3-3		Yes

Resistance to biologically active substances		Class 3B2 acc. to EN 60721-3-3, mold and fungal spores (except fauna) The supplied plug covers must remain in place over the unused interfaces during operation!
• conformity acc. to EN 60721-3-3 / Note		
conformity acc. to EN 60721-3-3		Yes
Resistance to chemically active substances		Class 3C4 acc. to EN 60721-3-3, including salt spray acc. to EN 60068-2-52 (severity level 3) Compliant with EN 60721-3-3, Class 3C4 incl. salt spray in accordance with EN 60068-2-52 (severity 3); the supplied plug covers must remain in place on the unused interfaces during operation.
• conformity acc. to EN 60721-3-3 / Note		
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 2006/95/EC

Certificates/ approvals:

General Product Approval

EMC

[sonstig](#)



Further information

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

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

Industry Mall (Online ordering system)

<http://www.siemens.com/industrymall>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=6AG10401LA002AA0>

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

<http://support.automation.siemens.com/WW/view/en/6AG10401LA002AA0/all>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=6AG10401LA002AA0&lang=en