



Figure similar

SIPLUS G120 CU250S-2 PN -20...+50 °C With conformal coating Based on 6SL3246-0BA22-1FA0 . Integrates PROFINET Supports vector control Basic positioner EPOS via License extended functions 4 configurable DI/DQ 6 DI (3 F-DI), 5 DI 3 DQ (1 F-DQ) 2 AI, 2 AQ Safety Integrated STO, SBC, SS1 Encoder interface: D-CLiQ+HTL/TTL/SSI Resolver/HTL via terminal Degree of protection IP20

General information	
Product type designation	CU250S-2 PN
Product function	
• V/f control with linear/square parameterization capability	Yes
• V/f control with ECO mode linear/square	Yes
• V/f control with flux current control	Yes
• Vector control with encoder	No
• Vector control without encoder	Yes
Supply voltage	
Operating voltage from Power Module	24 V
Operating voltage from external power supply, min.	20.4 V
Operating voltage from external power supply, max.	28.8 V
Input current	
Current consumption, max.	1.5 A
Power loss	
Power loss, max.	12 W
Digital inputs	
Number of digital inputs	11; Optically isolated, free reference potential (own potential group), NPN/PNP-logic selectable via wiring
• With fail-safe	1; Use of 2x DI Standard
Digital outputs	
Number of digital outputs	
• As transistor	4
• As relay change-over contact	3
Analog inputs	
Number of analog inputs	2; the differential analog inputs can be configured as supplementary digital inputs
Type of analog input	Differential input
Input voltage with signal "0" to "1"	4 V
Input voltage with signal "1" to "0"	1.6 V
Analog outputs	
Number of analog outputs	2
Analog value generation for the inputs	
A/D resolution	13 bit
Interfaces	
Number of PROFINET interfaces	2
Number of RS 485 interfaces	0

<b>Protocols</b>	
PROFIBUS	No
<b>Isolation</b>	
Type of protective insulation	PELV according to EN 50178, safe disconnection from the mains by double/reinforced isolation
<b>Degree and class of protection</b>	
IP degree of protection	IP20
<b>Standards, approvals, certificates</b>	
Certificate of suitability	CE / TÜV
<b>Ambient conditions</b>	
Ambient temperature during operation	
<ul style="list-style-type: none"> <li>• min.</li> <li>• max.</li> <li>• min. [°F]</li> <li>• max. [°F]</li> <li>• Remark</li> </ul>	-20 °C; = Tmin 50 °C; = Tmax -4 °F 122 °F A derating of 3 K/1 000 m has to be applied to the Control Units from an installation altitude of 1 000 m above sea level
Ambient temperature during storage/transportation	
<ul style="list-style-type: none"> <li>• Storage, min.</li> <li>• Storage, max.</li> <li>• Storage, min. [°F]</li> <li>• Storage, max. [°F]</li> </ul>	-40 °C 70 °C -40 °F 158 °F
Relative humidity	
<ul style="list-style-type: none"> <li>• With condensation, tested in accordance with IEC 60068-2-38, max.</li> </ul>	100 %; RH incl. condensation/frost (no commissioning when condensation present), vertical mounting position
Resistance	
Use in stationary industrial systems	
<ul style="list-style-type: none"> <li>— to biologically active substances according to EN 60721-3-3</li> <li>— to chemically active substances according to EN 60721-3-3</li> <li>— to mechanically active substances according to EN 60721-3-3</li> </ul>	Yes; Class 3B2 mold, fungus and dry rot spores (with the exception of fauna); Class 3B3 on request Yes; Class 3C4 (RH < 75 %) incl. salt spray acc. to EN 60068-2-52 (severity degree 3); * No
Usage in industrial process technology	
<ul style="list-style-type: none"> <li>— Against chemically active substances acc. to EN 60654-4</li> <li>— Environmental conditions for process, measuring and control systems acc. to ANSI/ISA-71.04</li> </ul>	Yes; Class 3 (excluding trichlorethylene) Yes; Level GX group A/B (excluding trichlorethylene; harmful gas concentrations up to the limits of EN 60721-3-3 class 3C4 permissible); level LC3 (salt spray) and level LB3 (oil)
Remark	
<ul style="list-style-type: none"> <li>— Note regarding classification of environmental conditions acc. to EN 60721, EN 60654-4 and ANSI/ISA-71.04</li> </ul>	* The supplied plug covers must remain in place over the unused interfaces during operation!
Conformal coating	
<ul style="list-style-type: none"> <li>• Coatings for printed circuit board assemblies acc. to EN 61086</li> <li>• Protection against fouling acc. to EN 60664-3</li> <li>• Military testing according to MIL-I-46058C, Amendment 7</li> <li>• Qualification and Performance of Electrical Insulating Compound for Printed Board Assemblies according to IPC-CC-830A</li> </ul>	Yes; Class 2 for high reliability Yes; Type 1 protection Yes; Discoloration of coating possible during service life Yes; Conformal coating, Class A
<b>Dimensions</b>	
Width	73 mm
Height	199 mm
Depth	63 mm
<b>Weights</b>	
Weight (without packaging)	0.49 kg
last modified:	
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