

SIPLUS S120 BOP20 Basic Operator Panel -20...+70°C with conformal coating based on 6SL3055-0AA00-4BA0 . Actuator with miniature display 2-line, 6 keys for parameter assignment and diagnostics suitable for Control Units CU305, CU310, CU320



## General information

### Product function

• V/f control with linear/square parameterization capability	No
• V/f control with ECO mode linear/square	No
• V/f control with flux current control	No
• Vector control with encoder	No
• Vector control without encoder	No

## Digital inputs

Number of digital inputs	0
• With fail-safe	0

## Digital outputs

Number of digital outputs	
• As transistor	0
• As relay change-over contact	0

## Analog inputs

Number of analog inputs	0
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Interfaces	
Number of PROFINET interfaces	0
Number of RS 485 interfaces	0
Protocols	
PROFIBUS	No
Degree and class of protection	
IP degree of protection	IP20
Standards, approvals, certificates	
Certificate of suitability	CE
Verification of suitability for CE marking	EN 61800-3
Ambient conditions	
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>	<p>-20 °C; = Tmin</p> <p>70 °C; = Tmax</p> <p>-4 °F</p> <p>158 °F</p> <p>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</p>
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>	<p>-40 °C</p> <p>70 °C</p> <p>-40 °F</p> <p>158 °F</p>
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 under condensation conditions)
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>	<p>Yes; Class 3B2 mold, fungus and dry rot spores (with the exception of fauna); Class 3B3 on request</p> <p>Yes; Class 3C4 (RH &lt; 75 %) incl. salt spray acc. to EN 60068-2-52 (severity degree 3); *</p> <p>No</p>
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>	<p>Yes; Class 3 (excluding trichlorethylene)</p> <p>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)</p>
Remark	

— Note regarding classification of environmental conditions acc. to EN 60721, EN 60654-4 and ANSI/ISA-71.04

\* The supplied plug covers must remain in place over the unused interfaces during operation!

#### Conformal coating

- Coatings for printed circuit board assemblies acc. to EN 61086
- Military testing according to MIL-I-46058C, Amendment 7
- Qualification and Performance of Electrical Insulating Compound for Printed Board Assemblies according to IPC-CC-830A

Yes; Class 2 for high availability

Yes; Discoloration of coating possible during service life

Yes; Conformal coating, Class A

#### Connection method

Type of electrical connection for signal line

- Connectable conductor cross-section for signal line, min.
- Connectable conductor cross-section for signal line, max.
- Connectable conductor cross-section for AWG cables, min.
- Connectable conductor cross-section for AWG cables, max.

0 mm<sup>2</sup>

0 mm<sup>2</sup>

0

0

#### Dimensions

Width	49 mm
Height	48 mm
Depth	8 mm

#### Weights

Weight (without packaging)	0.05 kg
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**last modified:** 11/25/2019