



Figure similar

SIPLUS G120 IOP-2 based on 6SL3255-0AA00-4JA2 with conformal coating, -20...+50 °C, for SIPLUS SINAMICS G120 supported languages: German, English, French Italian, Spanish Portuguese, Dutch Swedish, Russian Czech, Polish Turkish, Finnish Chinese simplified

General information	
Product type designation	Intelligent Operator Panel (IOP)
Product function	<ul style="list-style-type: none"> <li>• V/f control with linear/square parameterization capability</li> <li>• V/f control with ECO mode linear/square</li> <li>• V/f control with flux current control</li> <li>• Vector control with encoder</li> <li>• Vector control without encoder</li> </ul>
Standards, approvals, certificates	
Certificate of suitability	CE
Ambient conditions	
Ambient temperature during operation	<ul style="list-style-type: none"> <li>• min. -20 °C; = Tmin</li> <li>• max. 50 °C; = Tmax</li> </ul>
Ambient temperature during storage/transportation	<ul style="list-style-type: none"> <li>• Storage, min. -40 °C</li> <li>• Storage, max. 70 °C</li> </ul>
Altitude during operation relating to sea level	<ul style="list-style-type: none"> <li>• Installation altitude above sea level, max. 2 000 m</li> <li>• Ambient air temperature-barometric pressure-altitude Tmin ... Tmax at 1 140 hPa ... 795 hPa (-1 000 m ... +2 000 m)</li> </ul>
Relative humidity	<ul style="list-style-type: none"> <li>• With condensation, tested in accordance with IEC 60068-2-38, max. 100 %; RH incl. condensation / frost (no commissioning in bedewed state), horizontal installation</li> </ul>
Resistance	
Use in stationary industrial systems	<ul style="list-style-type: none"> <li>— to biologically active substances according to EN 60721-3-3 Yes; Class 3B2 mold, fungus and dry rot spores (with the exception of fauna); Class 3B3 on request</li> <li>— to chemically active substances according to EN 60721-3-3 Yes; Class 3C4 (RH &lt; 75 %) incl. salt spray acc. to EN 60068-2-52 (severity degree 3); *</li> </ul>
Usage in industrial process technology	<ul style="list-style-type: none"> <li>— Against chemically active substances acc. to EN 60654-4 Yes; Class 3 (excluding trichlorethylene)</li> <li>— Environmental conditions for process, measuring and control systems acc. to ANSI/ISA-71.04 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)</li> </ul>
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 * The supplied plug covers must remain in place over the unused interfaces during operation!</li> </ul>
Conformal coating	
<ul style="list-style-type: none"> <li>• Coatings for printed circuit board assemblies acc. to EN 61086</li> </ul>	Yes; Class 2 for high reliability

- Protection against fouling acc. to EN 60664-3
- Electronic equipment on rolling stock acc. to EN 50155
- 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; Type 1 protection  
 Yes; Class PC2 protective coating acc. to EN 50155:2017  
 Yes; Discoloration of coating possible during service life  
 Yes; Conformal coating, Class A

#### Dimensions

Width	70 mm
Height	106 mm
Depth	30 mm

#### Weights

Weight (without packaging)	0.134 kg
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**last modified:**

12/18/2020 