

SIPLUS ET 200SP BA 2xSCRJ PN based on 6ES7193-6AP00-0AA0 with conformal coating, -40...+60 °C, start up -25 °C, BusAdapter 2 SCRJ FO connections for PROFINET

General information	
Product type designation	BA 2xSCRJ
based on	<a href="#">6ES7193-6AP00-0AA0</a>
Interfaces	
Number of PROFINET interfaces	1; 2 ports (switch) SCRJ FO
Supports protocol for PROFINET IO	
<ul style="list-style-type: none"> <li>Number of SCRJ ports</li> </ul>	2
Cable length	
<ul style="list-style-type: none"> <li>— PCF</li> <li>— Plastic FOC (POF)</li> <li>— PCF-GI</li> </ul>	<ul style="list-style-type: none"> <li>100 m</li> <li>50 m</li> <li>250 m</li> </ul>
Ambient conditions	
Ambient temperature during operation	
<ul style="list-style-type: none"> <li>min.</li> <li>max.</li> </ul>	<ul style="list-style-type: none"> <li>-40 °C; = Tmin (incl. condensation/frost); start-up @ -25 °C</li> <li>60 °C; = Tmax</li> </ul>
Altitude during operation relating to sea level	
<ul style="list-style-type: none"> <li>Installation altitude above sea level, max.</li> <li>Ambient air temperature-barometric pressure-altitude</li> </ul>	<ul style="list-style-type: none"> <li>5 000 m</li> <li>Tmin ... Tmax at 1 140 hPa ... 795 hPa (-1 000 m ... +2 000 m) // Tmin ... (Tmax - 10 K) at 795 hPa ... 658 hPa (+2 000 m ... +3 500 m) // Tmin ... (Tmax -20 K) at 658 hPa ... 540 hPa (+3 500 m ... +5 000 m)</li> </ul>
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	
Coolants and lubricants	
<ul style="list-style-type: none"> <li>Resistant to commercially available coolants and lubricants</li> </ul>	Yes; Incl. diesel and oil droplets in the air
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> <li>Against mechanical environmental conditions acc. to EN 60721-3-3</li> </ul>	<ul style="list-style-type: none"> <li>Yes; Class 3B2 mold, fungus and dry rot spores (with the exception of fauna); Class 3B3 on request</li> <li>Yes; Class 3C4 (RH &lt; 75 %) incl. salt spray acc. to EN 60068-2-52 (severity degree 3); *</li> <li>Yes; Class 3S4 incl. sand, dust, *</li> <li>Yes; Class 3M8 using the SIPLUS Mounting Kit ET 200SP (6AG1193-6AA00-0AA0)</li> </ul>
Use on ships/at sea	
<ul style="list-style-type: none"> <li>to biologically active substances according to EN 60721-3-6</li> <li>to chemically active substances according to EN 60721-3-6</li> <li>to mechanically active substances according to EN 60721-3-6</li> <li>Against mechanical environmental conditions acc. to EN 60721-3-6</li> </ul>	<ul style="list-style-type: none"> <li>Yes; Class 6B2 mold and fungal spores (excluding fauna); Class 6B3 on request</li> <li>Yes; Class 6C3 (RH &lt; 75 %) incl. salt spray acc. to EN 60068-2-52 (severity degree 3); *</li> <li>Yes; Class 6S3 incl. sand, dust; *</li> <li>Yes; Class 6M4 using the SIPLUS Mounting Kit ET 200SP (6AG1193-6AA00-0AA0)</li> </ul>
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>	<ul style="list-style-type: none"> <li>Yes; Class 3 (excluding trichlorethylene)</li> <li>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</li> </ul>	* The supplied plug covers must remain in place over the unused interfaces during operation!

<b>Conformal coating</b>	
<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>	<p>Yes; Class 2 for high reliability</p> <p>Yes; Type 1 protection</p> <p>Yes; Discoloration of coating possible during service life</p> <p>Yes; Conformal coating, Class A</p>

<b>Dimensions</b>	
Width	20 mm
Height	69.5 mm
Depth	59 mm

<b>Weights</b>	
Weight, approx.	50 g

<b>Classifications</b>			
		<b>Version</b>	<b>Classification</b>
	eClass	14	27-24-26-92
	eClass	12	27-24-26-92
	eClass	9.1	27-24-26-92
	eClass	9	27-24-26-92
	eClass	8	27-24-26-92
	eClass	7.1	27-24-26-92
	eClass	6	27-24-26-92
	ETIM	9	EC002584
	ETIM	8	EC002584
	ETIM	7	EC002584
	IDEA	4	3552
	UNSPSC	15	32-15-17-03

<b>Approvals / Certificates</b>	
<b>General Product Approval</b>	<b>EMV</b>

[Miscellaneous](#)

[Manufacturer Declaration](#)



EG-Konf.



UL



RCM

**For use in hazardous locations**

**Marine / Shipping**



IECEX



ATEX

[CCC-Ex](#)



BUREAU  
VERITAS



DNV  
DNV

last modified:

5/29/2024