

Product type designation

**SIPLUS NET TIM 3V-IE DNP3**  
SIPLUS NET TIM 3V-IE DNP3 for medial exposure -25...+70°C  
based on 6NH7803-3BA00-0AA0 communication module for  
SIMATIC S7-300 with an RS232 interface



Figure similar

Interfaces	
Number of interfaces / acc. to Industrial Ethernet	1
Number of electrical connections	1
• for power supply	
Type of electrical connection	2-pole plugable terminal block
• for power supply	
design of the removable storage / C-PLUG	No
Supply voltage, current consumption, power loss	
Type of voltage / of the supply voltage	DC
Consumed current	0.2 A
• from external supply voltage / at DC / at 24 V / maximum	
Power loss [W]	5.8 W
Permitted ambient conditions	
Ambient temperature	0 ... 60 °C
• during operation	

<ul style="list-style-type: none"> <li>during storage</li> <li>during transport</li> </ul>	-40 ... +70 °C -40 ... +70 °C
Ambient condition / relating to ambient temperature - air pressure - installation altitude	-25 ... +70°C at 1080 hPa ... 795 hPa (-1000 m ... +2000 m) // -25 ... +60°C at 795 hPa ... 658 hPa (+2000 m ... +3500 m) // -25 ... +50°C at 658 hPa ... 540 hPa (+3500 m ... +5000 m)
Relative humidity / at 25 °C / without condensation / during operation / maximum	95 %
Relative humidity / with condensation / maximum	100 %; r.F., incl. condensation/frost permitted (no commissioning in bedewed state)
Resistance to biologically active substances <ul style="list-style-type: none"> <li>conformity acc. to EN 60721-3-3</li> </ul>	Yes; Compliance with EN 60721-3-3, Class 3B2 mold, fungus, and sponge spores (except fauna). The supplied plug covers must remain in place over the unused interfaces during operation!
Resistance to chemically active substances <ul style="list-style-type: none"> <li>conformity acc. to EN 60721-3-3</li> </ul>	Yes; 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.
Resistance to mechanically active substances <ul style="list-style-type: none"> <li>conformity acc. to EN 60721-3-3</li> </ul>	Yes; Compliant with EN 60721-3-3, Class 3S4 incl. sand, dust; the supplied plug covers must remain in place on the unused interfaces during operation.
Protection class IP	IP20

#### Design, dimensions and weight

Module format	Compact module S7-300 single width
Width	40 mm
Height	125 mm
Depth	120 mm
Net weight	0.25 kg

#### Product properties, functions, components / general

Number of units <ul style="list-style-type: none"> <li>Note</li> </ul>	Number of TIMs per S7-300: 1
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#### Performance data / S7 communication

Number of possible connections / for S7 communication <ul style="list-style-type: none"> <li>maximum</li> <li>with PG connections / maximum</li> <li>Note</li> </ul>	3 2 only via LAN
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#### Performance data / telecontrol

Suitability for use <ul style="list-style-type: none"> <li>Node station</li> <li>substation</li> <li>TIM control center</li> </ul>	Yes Yes Yes
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Protocol / is supported	Yes
• DNP3	
Product function / data buffering if connection is aborted	Yes; 64,000 data points with one master
Configuration software	
• required	SINAUT ST7 ES

#### Further Information / Internet Links

Internet-Link	
• to website: Selector SIMATIC NET SELECTION TOOL	<a href="http://www.siemens.com/snst">http://www.siemens.com/snst</a>
• to website: Industrial communication	<a href="http://www.siemens.com/simatic-net">http://www.siemens.com/simatic-net</a>
• to website: Industry Mall	<a href="http://www.siemens.com/industrial-controls/mall">http://www.siemens.com/industrial-controls/mall</a>
• to website: Information and Download Center	<a href="http://www.siemens.com/automation/net/catalog">http://www.siemens.com/automation/net/catalog</a>
• to website: Image database	<a href="http://automation.siemens.com/bilddb">http://automation.siemens.com/bilddb</a>
• to website: CAx Download Manager	<a href="http://www.siemens.com/cax">http://www.siemens.com/cax</a>
• to website: Industry Online Support	<a href="http://support.automation.siemens.com">http://support.automation.siemens.com</a>

#### Security information

Security information	<p>Siemens provides products and solutions with industrial security functions that support the secure operation of plants, solutions, machines, equipment and/or networks. They are important components in a comprehensive industrial security concept. Siemens products and solutions undergo continuous development with this factor in mind. Siemens recommends strongly that you regularly check for product updates. For the secure operation of Siemens products and solutions, it is necessary to take suitable preventive action (e.g. cell protection concept) and integrate each component into a holistic, state-of-the-art industrial security concept. Products used from other manufacturers should also be taken into account here. You can find more information on Industrial Security at <a href="http://www.siemens.com/industrialsecurity">http://www.siemens.com/industrialsecurity</a>. To stay informed about product updates as they occur, sign up for our product-specific newsletter. You can find more information on this at <a href="http://support.automation.siemens.com">http://support.automation.siemens.com</a>. Version 3.4</p> <p>14.11.2013- Siemens AG, I IA L CG, Nuremberg</p>
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